

0074695

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 12/3/07
INITIAL/DATE

COMMENTS:

SDG 07-A-6569

SAF-RC-040

Rad only

Chem only

Rad & Chem

Complete

Partial

Sample Location/Waste Site: 300 Area 309 Bldg.

RECEIVED
DEC 06 2007
EDMC



11/30/07
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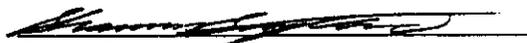
SUBMITTED TO:

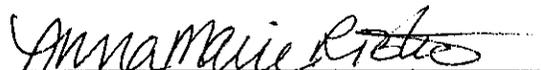
Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354

REFERENCE DATA:

Client Sample No.:	J16244 through J16279
P.O. No.:	Not Available
Sample Location:	309
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-6569
DCL Sample ID No.:	07-38065 through 38108
Sample Receipt Date:	11/16/07
Analysis Date:	11/28/07 through 11/30/07

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


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..

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11/30/07

DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16244	J16245	J16246	J16247	J16248
DCL Sample ID:	07-38065	07-38066	07-38067	07-38068	07-38069
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:	>3 ≤ 5	>3 ≤ 5			>3 ≤ 5
% Amosite:	>1 ≤ 3	>1 ≤ 3			>1 ≤ 3
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>4 ≤ 8	>4 ≤ 8	ND	ND	>4 ≤ 8
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10
% Fiberglass:	>30 ≤ 40	>30 ≤ 40	>20 ≤ 30	>20 ≤ 30	>30 ≤ 40
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>40 ≤ 50	>40 ≤ 50	>50 ≤ 60	>50 ≤ 60	>40 ≤ 50

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.

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DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16249	J16250	J16251	J16252	J16252
DCL Sample ID:	07-38070	07-38071	07-38072	07-38073A	07-38073B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Layered	Layered
Color:	Grey	Grey	Grey	Green	Black
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Compact	Resinous
Description:	Material	Material	Material	Tile	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>3 ≤ 5	>3 ≤ 5	>3 ≤ 5	>1 ≤ 3	>3 ≤ 5
% Amosite:	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3		
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>4 ≤ 8	>4 ≤ 8	>4 ≤ 8	>1 ≤ 3	>3 ≤ 5
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10		
% Fiberglass:	>30 ≤ 40	>30 ≤ 40	>30 ≤ 40		
% Other Fibers:					
% Resin/Binder:				>10 ≤ 20	>70 ≤ 80
% Non Fibrous:	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50	>70 ≤ 80	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


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Microscopist

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11/30/07

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

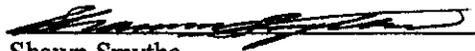
Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16253	J16253	J16254	J16254	J16255
DCL Sample ID:	07-38074A	07-38074B	07-38075A	07-38075B	07-38076
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Homog.
Color:	Grey	Tan/Black	Green	Black	Grey
Texture:	Compact	Resinous	Compact	Resinous	Crmby/Fbrs
Description:	Tile	Mastic	Tile	Mastic	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:		>1 ≤ 3	>1 ≤ 3	>3 ≤ 5	
% Amosite:					>20 ≤ 30
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>1 ≤ 3	>1 ≤ 3	>3 ≤ 5	>20 ≤ 30
Other Materials					
% Cellulose:					>5 ≤ 10
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80	
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>70 ≤ 80	>10 ≤ 20	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


Shawn Smythe
Microscopist

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DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report

Client: Washington Closure Hanford
 Location: 309
 Set ID: 07-A-6569

Client Sample ID:	J16256	J16257	J16258	J16259	J16260
DCL Sample ID:	07-38077	07-38078	07-38079	07-38080	07-38081
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	Fibrous
Description:	Material	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:			>5 ≤ 10	>5 ≤ 10	
% Amosite:	>20 ≤ 30	>20 ≤ 30			
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>20 ≤ 30	>20 ≤ 30	>5 ≤ 10	>5 ≤ 10	ND
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	
% Fiberglass:			>20 ≤ 30	>20 ≤ 30	
% Other Fibers:					>80 ≤ 90
% Resin/Binder:					
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>40 ≤ 50	>40 ≤ 50	>5 ≤ 10

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


 Shawn Smythe
 Microscopist

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16261	J16262	J16263	J16264	J16265
DCL Sample ID:	07-38082	07-38083	07-38084	07-38085	07-38086A
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Homog.	Layered
Color:	Grey	Grey	Grey	Grey	Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Fbrs/Crmby
Description:	Material	Material	Material	Material	Ceiling Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>3 ≤ 5	>3 ≤ 5	>3 ≤ 5	>3 ≤ 5	
% Amosite:	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3	>1 ≤ 3	
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>4 ≤ 8	>4 ≤ 8	>4 ≤ 8	>4 ≤ 8	ND
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>40 ≤ 50
% Fiberglass:	>30 ≤ 40	>30 ≤ 40	>30 ≤ 40	>30 ≤ 40	>10 ≤ 20
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50	>40 ≤ 50	>20 ≤ 30

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


Shawn Smythe
Microscopist

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16265	J16266	J16266	J16267	J16267
DCL Sample ID:	07-38086B	07-38087A	07-38087B	07-38088A	07-38088B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Brown	Grey	Brown	Black	Brown
Texture:	Crumbly	Fbrs/Crmby	Crumbly	Flexible	Crumbly
Description:	Mastic	Ceiling Tile	Mastic	Covebase	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:					
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	ND	ND	ND	ND
Other Materials					
% Cellulose:		>40 ≤ 50			
% Fiberglass:		>20 ≤ 30			
% Other Fibers:					
% Resin/Binder:	>60 ≤ 70		>60 ≤ 70	>20 ≤ 30	>60 ≤ 70
% Non Fibrous:	>20 ≤ 30	>10 ≤ 20	>20 ≤ 30	>60 ≤ 70	>20 ≤ 30

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


Shawn Smythe
Microscopist

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11/30/07

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

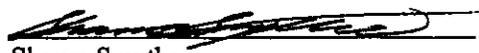
Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16268	J16269	J16270	J16271	J16272
DCL Sample ID:	07-38089	07-38090	07-38091	07-38092	07-38093
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Rejected	Accepted
Homogeneity:	Layered Inseparable	Homog.	Homog.		Homog.
Color:	Grey/Tan	Grey	Grey		Grey
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs		Crmby/Fbrs
Description:	Drywall	Material	Material		Material
Analysis:	PLM	PLM	PLM		PLM
Asbestiform Minerals					
% Chrysotile:		>5 ≤ 10	>5 ≤ 10		>5 ≤ 10
% Amosite:		>10 ≤ 20	>10 ≤ 20		>10 ≤ 20
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>15 ≤ 30	>15 ≤ 30		>15 ≤ 30
Other Materials					
% Cellulose:	>10 ≤ 20	>5 ≤ 10	>5 ≤ 10		>5 ≤ 10
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:					
% Non Fibrous:	>70 ≤ 80	>50 ≤ 60	>50 ≤ 60		>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available. Sample number J16271 was rejected due to insufficient amount of material for analysis.


Shawn Smythe
Microscopist

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11/30/07

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16273	J16274	J16275	J16276	J16276
DCL Sample ID:	07-38094	07-38095	07-38096	07-38097A	07-38097B
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Homog.	Homog.	Homog.	Layered	Layered
Color:	Grey	Grey	Grey	Grey	Black
Texture:	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Compact	Resinous
Description:	Material	Material	Material	Tile	Mastic
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>5 ≤ 10	>5 ≤ 10		>1 ≤ 3	
% Amosite:	>10 ≤ 20	>10 ≤ 20			
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>15 ≤ 30	>15 ≤ 30	ND	>1 ≤ 3	ND
Other Materials					
% Cellulose:	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10		
% Fiberglass:			>20 ≤ 30		
% Other Fibers:					
% Resin/Binder:				>10 ≤ 20	>70 ≤ 80
% Non Fibrous:	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>70 ≤ 80	>10 ≤ 20

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


Shawn Smythe
Microscopist

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J16277	J16277	J16278	J16278	J15WN3
DCL Sample ID:	07-38098A	07-38098B	07-38099A	07-38099B	07-38100A
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered	Layered
Color:	Grey	Black	Black	Tan	Brown
Texture:	Compact	Resinous	Flexible	Crumbly	Flexible
Description:	Tile	Mastic	Covebase	Mastic	Covebase
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:	>1 ≤ 3				
% Amosite:					
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	>1 ≤ 3	ND	ND	ND	ND
Other Materials					
% Cellulose:					
% Fiberglass:					
% Other Fibers:					
% Resin/Binder:	>10 ≤ 20	>70 ≤ 80	>20 ≤ 30	>60 ≤ 70	>20 ≤ 30
% Non Fibrous:	>70 ≤ 80	>10 ≤ 20	>60 ≤ 70	>20 ≤ 30	>60 ≤ 70

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


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Microscopist

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11/30/07

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

Client: Washington Closure Hanford

Location: 309

Set ID: 07-A-6569

Client Sample ID:	J15WN3	J15WN4	J15WN5	J15WN6	J15WN7
DCL Sample ID:	07-38100B	07-38101	07-38102	07-38103	07-38104A
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Homog.	Homog.	Homog.	Layered
Color:	Grey/Tan	Grey	Grey	Grey	Tan
Texture:	Flex/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Crmby/Fbrs	Fibrous
Description:	Mastic	Material	Material	Material	Ceiling Tile
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:		>1 ≤ 3			
% Amosite:		>1 ≤ 3	>1 ≤ 3	>1 ≤ 3	
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>2 ≤ 6	>1 ≤ 3	>1 ≤ 3	ND
Other Materials					
% Cellulose:	>10 ≤ 20	>5 ≤ 10	>5 ≤ 10	>5 ≤ 10	>80 ≤ 90
% Fiberglass:		>20 ≤ 30	>20 ≤ 30	>20 ≤ 30	
% Other Fibers:					
% Resin/Binder:	>20 ≤ 30				
% Non Fibrous:	>40 ≤ 50	>50 ≤ 60	>50 ≤ 60	>50 ≤ 60	>5 ≤ 10

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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



Shawn Smythe
Microscopist

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID:	J15WN7	J15WN8	J15WN8	J15WN9	J15WP0
DCL Sample ID:	07-38104B	07-38105A	07-38105B	07-38106	07-38107
Macroscopic Examination					
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Layered	Layered Inseparable	Homog.
Color:	Brown	Grey	Tan	Yellow/Grey	Grey
Texture:	Crumbly	Compact	Crumbly	Fibrous	Crmbly/Fbrs
Description:	Mastic	Tile	Mastic	Insulation	Material
Analysis:	PLM	PLM	PLM	PLM	PLM
Asbestiform Minerals					
% Chrysotile:		>1 ≤ 3			>3 ≤ 5
% Amosite:					>1 ≤ 3
% Crocidolite:					
% Tremolite - Actinolite:					
% Anthophyllite:					
% Total Asbestos:	ND	>1 ≤ 3	ND	ND	>4 ≤ 8
Other Materials					
% Cellulose:				>5 ≤ 10	>5 ≤ 10
% Fiberglass:				>80 ≤ 90	>20 ≤ 30
% Other Fibers:	Trace				
% Resin/Binder:	>60 ≤ 70	>10 ≤ 20	>70 ≤ 80		
% Non Fibrous:	>20 ≤ 30	>70 ≤ 80	>10 ≤ 20	>1 ≤ 3	>50 ≤ 60

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


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Microscopist

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

Client: Washington Closure Hanford
Location: 309
Set ID: 07-A-6569

Client Sample ID: J16279
DCL Sample ID: 07-38108

Macroscopic Examination

Accepted/Rejected: Accepted
Homogeneity: Layered
Inseparable
Color: Grey/Tan
Texture: Crmby/Fbrs
Description: Drywall
Analysis: PLM

Asbestiform Minerals

% Chrysotile:
% Amosite:
% Crocidolite:
% Tremolite - Actinolite:
% Anthophyllite:
% Total Asbestos: ND

Other Materials

% Cellulose: >10 ≤ 20
% Fiberglass:
% Other Fibers:

% Resin/Binder:
% Non Fibrous: >70 ≤ 80

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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


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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.

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.: A080034 Bill of Lading/Air Bill No.: See OSPC

POSSIBLE SAMPLE HAZARDS/REMARKS Asbestos & Be	Preservation	None											
	Type of Container	G/P											
	No. of Container(s)	1											
	Volume	5g											

SPECIAL HANDLING and/or Storage

SAMPLE ANALYSIS

Asbestos-BULK-EPA

07.A-6569

Sample No.	Matrix *	Sample Date	Sample Time										
J16244	38065 OTHER SOLID	11/15/07	0833	X									
J16245	38066 OTHER SOLID	↓	0836	T									
J16246	38067 OTHER SOLID		0839	X									
J16247	38068 OTHER SOLID		0842	X									
J16248	38069 OTHER SOLID		0845	X									

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00	Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Trace WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time		
<i>Mike Stankovich</i>	11/15/07 1045	<i>MT Stankovich</i>	11/15/07 1045		
<i>MT Stankovich</i>	11/15/07 1500	<i>FED EX</i>			
<i>Reder</i>		<i>[Signature]</i>	11/16/07 1650		

LABORATORY SECTION: Received By: *[Signature]* Title: _____ Date/Time: _____

FINAL SAMPLE DISPOSITION: Disposal Method: _____ Disposed By: _____ Date/Time: _____

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-337		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. A80034		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 6569				Asbestos- BULK-EPA																	
Sample No.	Matrix *	Sample Date	Sample Time																		
J16249	38070	OTHER SOLID	11/15/07	0848	X																
J16250	38071	OTHER SOLID		0851	X																
J16251	38072	OTHER SOLID		0854	X																
J16252	38073	OTHER SOLID		0857	X																
J16253	38074	OTHER SOLID		0900	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=Sediment SO=Solid SH=Sludge W=Water O=Oil A=Air DS=Drmn Solids DL=Drmn Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other 									
<i>M. Stankovich</i>		11/15/07 1045		<i>M. Stankovich</i>		11/15/07 1045															
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
<i>M. Stankovich</i>		11/15/07 1100		FED EX																	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time															
				<i>[Signature]</i>		11/16/07															
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-040-337	Page 2 of 10	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040		Price Code 9K Data Turnaround 7 Days		
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 800034		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				
				6569				
Sample No.	Matrix *	Sample Date	Sample Time					
J16254 38075	OTHER SOLID	11/15/07	0903	X				
J16255 38076	OTHER SOLID		0906	X				
J16256 38077	OTHER SOLID		0909	T				
J16257 38078	OTHER SOLID		0912	X				
J16258 38079	OTHER SOLID		0915	X				
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From M. Stankovich 11/15/07 0915		Received By/Stored In Bill Singletary 11-15-07 1045		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				S=Soil SE=Sediment SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue W=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From Bill Singletary 11-15-07 1530		Received By/Stored In FED EX						
Relinquished By/Removed From		Received By/Stored In 11/16/07						
Relinquished By/Removed From		Received By/Stored In						
Relinquished By/Removed From		Received By/Stored In						
Relinquished By/Removed From		Received By/Stored In						
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-040-337		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. A080034				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	GP																
					No. of Container(s)	1																
					Volume	5g																
SAMPLE ANALYSIS					Asbestos-BULK-EPA																	
					6569																	
Sample No.	Matrix *	Sample Date	Sample Time																			
J16259	38080	OTHER SOLID	11/15/07	0918	X																	
J16260	38081	OTHER SOLID		0921	X																	
J16261	38082	OTHER SOLID		0924	X																	
J16262	38083	OTHER SOLID		0927	X																	
J16263	38084	OTHER SOLID		0930	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=Sediment SO=Solid SL=Sludge W = Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Trash WJ=Wipe L=Liquid V=Vegetation X=Other 								
<i>Mike Stankovich</i>		11/15/07 1015		<i>BM Singleton</i>		11-15-07 1015																
<i>Mike Stankovich</i>		11-15-07 1500		<i>EE EX</i>																		
						11/16/07																
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-040-337		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. A080034				Bill of Lading/Air Bill No. See OSCP																
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																	
					6569																	
Sample No.	Matrix *	Sample Date	Sample Time																			
J16264	38085	OTHER SOLID	11/15/07	0933	X																	
J16265	38086	OTHER SOLID		0936	X																	
J16266	38087	OTHER SOLID		0939	X																	
J16267	38088	OTHER SOLID		0942	X																	
J16268	38089	OTHER SOLID		0945	X																	
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS				Matrix *										
Relinquished By/Removed From				Date/Time				Received By/Stored In				Date/Time										
<i>MT Stankovich</i>				11/15/07				<i>MT Stankovich</i>				11-15-07 1045										
Relinquished By/Removed From				Date/Time				Received By/Stored In				Date/Time										
<i>MT Stankovich</i>				11-15-07 1500				FED EX														
Relinquished By/Removed From				Date/Time				Received By/Stored In				Date/Time										
<i>[Signature]</i>								<i>[Signature]</i>				11/16/07										
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																

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.: **A080034**
 Bill of Lading/Air Bill No.: See OSPC

POSSIBLE SAMPLE HAZARDS/REMARKS <i>Asbestos & Be</i>	Preservation	None																		
	Type of Container	G/P																		
	No. of Container(s)	1																		
	Volume	5g																		

SPECIAL HANDLING AND/OR STORAGE

Sample No.	Matrix *	Sample Date	Sample Time																			
J16269	38090 OTHER SOLID	11/15/07	0948	X																		
J16270	38091 OTHER SOLID	↓	0951	X																		
J16271	38092 OTHER SOLID		0954	X																		
J16272	38093 OTHER SOLID		0957	X																		
J16273	38094 OTHER SOLID		1000	X																		

CHAIN OF POSSESSION Sign/Print Names

Relinquished By/Removed From: <i>MT Stankovich</i>	Date/Time: 11/15/07 1045	Received By/Stored In: <i>MT Stankovich</i>	Date/Time: 11/15/07 1045	SPECIAL INSTRUCTIONS Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 Matrix * S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Dry Solids DL=Dry Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other
Relinquished By/Removed From: <i>MT Stankovich</i>	Date/Time: 11-15-07 1500	Received By/Stored In: <i>FED EX</i>	Date/Time:	
Relinquished By/Removed From:	Date/Time:	Received By/Stored In: <i>[Signature]</i>	Date/Time: 11/16/07	
Relinquished By/Removed From:	Date/Time:	Received By/Stored In:	Date/Time:	
Relinquished By/Removed From:	Date/Time:	Received By/Stored In:	Date/Time:	

LABORATORY SECTION Received By: *[Signature]* Title: _____ Date/Time: _____

FINAL SAMPLE DISPOSITION Disposal Method: _____ Disposed By: _____ Date/Time: _____

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-337		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. A080034		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																	
				6509																	
Sample No.	Matrix *	Sample Date	Sample Time																		
J16274	38095	OTHER SOLID	11/15/07	1003	X																
J16275	38096	OTHER SOLID		1006	T																
J16276	38097	OTHER SOLID		1009	T																
J16277	38098	OTHER SOLID		1012	T																
J16278	38099	OTHER SOLID		1015	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=Settlement SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Time WI=Wipe L=Liquid V=Vegetation X=Other 									
Mike Stankovich		11/15/07 0415		M. Stankovich		11-15-07 1015															
M. Stankovich		11-15-07 1001		FED EX																	
Edley						11/16/07															
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-040-336	Page 2 of 10	
Collector Mike Stankovich		Company Contact MT Stankovich		Telephone No. 531-7620		Project Coordinator KESSNER, JH		
Project Designation 300 Area D&D Waste Characterization Sampling - Other Soli		Sampling Location 309		SAF No. RC-040		Price Code 9K Data Turnaround 7 Days		
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. A030034		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 6569 ZFW				Asbestos- BULK-EPA				
Sample No.	Matrix *	Sample Date	Sample Time					
J15WN2 MA 11/15/07	OTHER SOLID							
J15WN3 38100	OTHER SOLID	11/15/07	0809	X				
J15WN4 38101	OTHER SOLID		0812	X				
J15WN5 38102	OTHER SOLID		0815	X				
J15WN6 38103	OTHER SOLID		0818	X				
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *
Relinquished By/Removed From <i>Mike Stankovich</i> 11/15/07 1045		Received By/Stored In <i>MT Stankovich</i> 11-15-07 1045		Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00				<ul style="list-style-type: none"> S=Soil SE=Settlemnt SO=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
Relinquished By/Removed From <i>MT Stankovich</i> 11-15-07 1500		Received By/Stored In FED EX						
Relinquished By/Removed From		Received By/Stored In <i>[Signature]</i> 11/16/07						
Relinquished By/Removed From		Received By/Stored In						
Relinquished By/Removed From		Received By/Stored In						
LABORATORY SECTION	Received By <i>[Signature]</i>	Title		Date/Time				
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By		Date/Time				

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-040-336	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. A800034				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					
	6569								
Sample No.	Matrix *	Sample Date	Sample Time						
J15WN7 38104	OTHER SOLID	11/15/07	0821	X					
J15WN8 38105	OTHER SOLID	↓	0824	X					
J15WN9 38106	OTHER SOLID		0827	X					
J15WP0 38107	OTHER SOLID		0830	X					
J1627938108	other solid	11/15/07	1018	X					
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix * S=Soil SE=Settiment SO=Solid Sl=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue Wl=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
MT Stankovich		11/15/07 1045		MT Stankovich		11/15/07 1045			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
WCH		11/15/07 1500		FED EX		11/16/07			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By		Title		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			