0072900

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

**COMPLETE COPY OF DATA PACKAGE TO:**

Renee Nielson L1-01 KW 5/7/07
INITIAL/DATE

**COMMENTS:**

**SDG 07I-0855-01 SAF-RC-040**

Rad only X Chem only Rad & Chem

X Complete Partial

**Sample Location/Waste Site: 308 Building**

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# Cover

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MAY 2007

Report Identification Number: 07I-0855-01
Subcontract Number: 0000X-BO-G0058-B-Mod# 14
Name of Industrial Hygienist: Gwen Whatley / William Brasker/ Robert Braunstern/ Ilene Strong
Laboratory Identification Number: DCHM
SAF#: RC-040/ A070180
Payroll#:

**Sample Information**

| Sample Date | Customer Sample Number | Laboratory Sample Number | Method | Analytical Batch Identification | Sample Matrix |
|---|---|---|---|---|---|
| 25 Apr 2007 | J15212 | 07I05392 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15213 | 07I05393 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15214 | 07I05394 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15215 | 07I05395 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15216 | 07I05396 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15217 | 07I05397 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15218 | 07I05398 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15219 | 07I05399 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J15220 | 07I05400 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15222 | 07I05401 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15223 | 07I05402 | NIOSH 9002 | G073X009 | BULK |
| 26Apr 2007 | J15224 | 07I05403 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15225 | 07I05404 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15221 | 07I05405 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15243 | 07I05406 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15244 | 07I05407 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15245 | 07I05408 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J15246 | 07I05409 | NIOSH 9002 | G073X009 | BULK |
| 26 Apr 2007 | J14YW0 | 07I05410 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J14YW1 | 07I05411 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J14YW2 | 07I05412 | NIOSH 9002 | G073X009 | BULK |
| 25 Apr 2007 | J14YW3 | 07I05413 | NIOSH 9002 | G073X009 | BULK |

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# Cover

email, the data contained in this electronic image and the computer-readable EDD (as applicable), has been authorized by the laboratory Manager or the Manager's designee.

Name: Peter P. Steen
Title: Chemist
Date: May 04, 2007

# Case Narrative

| | |
|---|---|
| Report Identification Number: | 07I-0855-01 |
| Subcontract Number: | 0000X-BO-G0058-B-Mod# 14 |
| Name of Industrial Hygienist: | Gwen Whatley / William Brasker/ Robert Brounstern/ Ilene Strong |
| Laboratory Identification Number: | DCHM |
| SAF#: | RC-040/ A070180 |
| Payroll#: | |

**General Set Information:** There were a total of 22 samples in set 07I-0855-01 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 (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:** Two Laboratory Control Samples (LCS) were prepared and analyzed with the sample batch. The results were within the control limit of +/- one reporting range.

**Replicate Analysis:** Two samples were replicated with this analysis run.

**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:**

07I05392: Orange/brown, fibrous insulation material.
07I05393: Orange/brown, fibrous insulation material.
07I05394: Orange/brown, fibrous insulation material.
07I05395: Gray, powdery/fibrous pipe insulation.
07I05396: Gray, powdery/fibrous pipe insulation.
07I05397: Gray, powdery/fibrous pipe insulation.
07I05398: Black/orange, tarry/fibrous insulation material.
07I05399: Black, tarry material.
07I05400: Black/orange, tarry/fibrous insulation material.
07I05401: Yellowish/gray, foamy insulation material.
07I05402: Yellowish/gray, foamy insulation material.
07I05403: Yellowish/black, foamy/tarry insulation material.
07I05404: Yellowish/black/gray, foamy/tarry insulation material.
07I05405: Yellowish/black/gray, foamy/tarry insulation material.
07I05406: Yellowish/black/gray, foamy/tarry insulation material.
07I05407: Yellowish/gray, foamy insulation material.
07I05408: Yellowish/gray, foamy insulation material.
07I05409: Yellowish/black/gray, foamy/tarry insulation material.
07I05410: Yellowish/black/gray, foamy/tarry insulation material.
07I05411: Gray, powdery/fibrous pipe insulation.
07I05412: Gray, powdery/fibrous pipe insulation.
07I05413: Gray, powdery/fibrous pipe insulation.

# Results

Report Identification Number: 07I-0855-01
Subcontract Number: 0000X-BO-G0058-B-Mod# 14
Name of Industrial Hygienist: Gwen Whatley / William Brasker/ Robert Brounstern/ Ilene Strong
Laboratory Identification Number: DCHM
SAF#: RC-040/ A070180
Payroll#:

| Customer Sample Number | Laboratory Sample Number | Date Analyzed | Chrysotile % Asbestos | | Amosite % Asbestos | | Crocidolite % Asbestos | |
|---|---|---|---|---|---|---|---|---|
| J15212 | 07I05392 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15213 | 07I05393 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15214 | 07I05394 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15215 | 07I05395 | 04 May 2007 | 10-<20 | | 5-<10 | | ND | U |
| J15216 | 07I05396 | 04 May 2007 | 10-<20 | | 10-<20 | | ND | U |
| J15217 | 07I05397 | 04 May 2007 | 10-<20 | | 1-<3 | | ND | U |
| J15218 | 07I05398 | 04 May 2007 | 3-<5 | | ND | U | ND | U |
| J15219 | 07I05399 | 04 May 2007 | 10-<20 | | ND | U | ND | U |
| J15220 | 07I05400 | 04 May 2007 | 3-<5 | | ND | U | ND | U |
| J15222 | 07I05401 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15223 | 07I05402 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15224 | 07I05403 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15225 | 07I05404 | 04 May 2007 | 1-<3 | | ND | U | ND | U |
| J15221 | 07I05405 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15243 | 07I05406 | 04 May 2007 | 1-<3 | | ND | U | ND | U |
| J15244 | 07I05407 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15245 | 07I05408 | 04 May 2007 | ND | U | ND | U | ND | U |
| J15246 | 07I05409 | 04 May 2007 | 3-<5 | | ND | U | ND | U |
| J14YW0 | 07I05410 | 04 May 2007 | <1 | U | ND | U | ND | U |
| J14YW1 | 07I05411 | 04 May 2007 | 10-<20 | | 10-<20 | | ND | U |
| J14YW2 | 07I05412 | 04 May 2007 | 5-<10 | | 10-<20 | | ND | U |
| J14YW3 | 07I05413 | 04 May 2007 | 5-<10 | | 10-<20 | | ND | U |
| Limit of Detection (LOD) | | | <1 | | <1 | | <1 | |
| Required Detection Limit (RDL) | | | | | | | | |

| Customer Sample Number | Laboratory Sample Number | Date Analyzed | Actinolite/Tremolite % Asbestos | | Anthophyllite % Asbestos | |
|---|---|---|---|---|---|---|
| J15212 | 07I05392 | 04 May 2007 | ND | U | ND | U |

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960 West Levoy Drive
Salt Lake City, Utah 84123-2547
Phone: (801) 266-7700
FAX: (801) 268-9992
Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES

# Results

| Customer Sample Number | Laboratory Sample Number | Date Analyzed | Actinolite/Tremolite % Asbestos | | Anthophyllite % Asbestos | |
|---|---|---|---|---|---|---|
| J15213 | 07I05393 | 04 May 2007 | ND | U | ND | U |
| J15214 | 07I05394 | 04 May 2007 | ND | U | ND | U |
| J15215 | 07I05395 | 04 May 2007 | ND | U | ND | U |
| J15216 | 07I05396 | 04 May 2007 | ND | U | ND | U |
| J15217 | 07I05397 | 04 May 2007 | ND | U | ND | U |
| J15218 | 07I05398 | 04 May 2007 | ND | U | ND | U |
| J15219 | 07I05399 | 04 May 2007 | ND | U | ND | U |
| J15220 | 07I05400 | 04 May 2007 | ND | U | ND | U |
| J15222 | 07I05401 | 04 May 2007 | ND | U | ND | U |
| J15223 | 07I05402 | 04 May 2007 | ND | U | ND | U |
| J15224 | 07I05403 | 04 May 2007 | ND | U | ND | U |
| J15225 | 07I05404 | 04 May 2007 | ND | U | ND | U |
| J15221 | 07I05405 | 04 May 2007 | ND | U | ND | U |
| J15243 | 07I05406 | 04 May 2007 | ND | U | ND | U |
| J15244 | 07I05407 | 04 May 2007 | ND | U | ND | U |
| J15245 | 07I05408 | 04 May 2007 | ND | U | ND | U |
| J15246 | 07I05409 | 04 May 2007 | ND | U | ND | U |
| J14YW0 | 07I05410 | 04 May 2007 | ND | U | ND | U |
| J14YW1 | 07I05411 | 04 May 2007 | ND | U | ND | U |
| J14YW2 | 07I05412 | 04 May 2007 | ND | U | ND | U |
| J14YW3 | 07I05413 | 04 May 2007 | ND | U | ND | U |
| | | Limit of Detection (LOD) | <1 | | <1 | |
| | | Required Detection Limit (RDL) | | | | |

U - Parameter not detected above LOD.
J - Parameter between LOD and RDL.

DataChem Laboratories, Inc.
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

# QC Summary

Report Identification Number: 07I-0855-01
Subcontract Number: 0000X-BO-G0058-B-Mod# 14
Name of Industrial Hygienist: Gwen Whatley / William Brasker/ Robert Brounstern/ Ilene Strong
Laboratory Identification Number: DCHM
SAF: RC-040/ A070180
Payroll#:

Batch ID: G073X009

| QC Sample ID | QC Type | Analyte | Units | Result | Parent Result | Target | Percent Rec. | Relative Percent Diff. |
|---|---|---|---|---|---|---|---|---|
| QC99765 | LCS | CHRYSOTILE | % | 5.0 | | 4.0 | 125 | |
| QC99765 | LCSD | CHRYSOTILE | % | 4.0 | | 4.0 | 75 | |

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

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Salt Lake City, Utah 84123-2547

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FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES

COC

| Washington Closure Hanford | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | RC-040-266 | Page 1 of 3 |
|---|---|---|---|
| Collector: Mike Stankovich/Tim Lee | Company Contact: Tim Lee; Telephone No.: 373-4596 | Project Coordinator: KESSNER, JH | Price Code: 9K; Data Turnaround: 7 Days |
| Project Designation: 300 Area D&D Waste Characterization Sampling - Other Soil | Sampling Location: 308 Building | SAF No.: RC-040 | |
| Ice Chest No.: FED EX BOX | Field Logbook No.: EL-1518-7; COA: See below | Method of Shipment: Federal Express FI-085501 | |
| Shipped To: DataChem Laboratories - ~~Cincinnati~~ Salt Lake City (WO 4/25/07) | Offsite Property No.: A070180 | Bill of Lading/Air Bill No.: See OSPC | |

POSSIBLE SAMPLE HAZARDS/REMARKS
*Asbestos Berylium*

Special Handling and/or Storage

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservation | None | | | | | | | | | |
| Type of Container | G/P | | | | | | | | | |
| No. of Container(s) | 1 | | | | | | | | | |
| Volume | 5g | | | | | | | | | |
| SAMPLE ANALYSIS | Asbestos-BULK-EPA | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | Asbestos-BULK-EPA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J15212 PE 05392 | OTHER SOLID | 4-25-07 | 1315 | X | | | | | | | | |
| J15213 93 | OTHER SOLID | | 1320 | X | | | | | | | | |
| J15214 94 | OTHER SOLID | | 1325 | X | | | | | | | | |
| J15215 95 | OTHER SOLID | | 1330 | X | | | | | | | | |
| J15216 96 | OTHER SOLID | | 1335 | X | | | | | | | | |

| CHAIN OF POSSESSION | Sign/Print Names | |
|---|---|---|
| Relinquished By/Removed From: MZ MStankovich; Date/Time: 4/25/07 1400 | Received By/Stored In: 3728/IB; Date/Time: 4/25/07 1400 | |
| Relinquished By/Removed From: 3728/IB; Date/Time: 4-26-07 0830 | Received By/Stored In: KM Singleton; Date/Time: 4-26-07 0830 | |
| Relinquished By/Removed From: KM Singleton; Date/Time: 4-26-07 1500 WCH | Received By/Stored In: FED EX; Date/Time: | |
| Relinquished By/Removed From: FEDEX; Date/Time: | Received By/Stored In: MMorrell; Date/Time: MMorrell 1000 | |
| Relinquished By/Removed From: Date/Time: | Received By/Stored In: Date/Time: | |
| Relinquished By/Removed From: Date/Time: | Received By/Stored In: Date/Time: | |

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MCX2F00
Sampling COA - R30800 1000

Sampler unavailable to relinquish samples from 3728 Ref # 16. 3728 Custodian removed samples for shipping on 4/26/07.

Matrix *: S=Soil; SE=Sediment; SO=Solid; SL=Sludge; W=Water; O=Oil; A=Air; DS=Drum Solids; DL=Drum Liquids; T=Tissue; Wi=Wipe; L=Liquid; Ve=Vegetation; X=Other

| LABORATORY SECTION | Received By: MMorrell | Title: | Date/Time: MMorrell 1000 |
|---|---|---|---|
| FINAL SAMPLE DISPOSITION | Disposal Method: | Disposed By: | Date/Time: |

WCH-EE-011

DataChem Laboratories, Inc.
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES

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| Washington Closure Hanford | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | RC-040-266 | Page 2 of 3 |
|---|---|---|---|
| Collector: Mike Stankovich/Tim Lee | Company Contact: Tim Lee; Telephone No.: 373-4596 | Project Coordinator: KESSNER, JH | Price Code: 9K; Data Turnaround: 7 Days |
| Project Designation: 300 Area D&D Waste Characterization Sampling - Other Soil | Sampling Location: 308 Building | SAF No.: RC-040 | |
| Ice Chest No.: FED EX BOX | Field Logbook No.: EL-1518-7; COA: See below | Method of Shipment: Federal Express MI-0855 01 | |
| Shipped To: DataChem Laboratories ~~Cincinnati~~ Salt Lake City W 4/25/07 | Offsite Property No.: A070180 | Bill of Lading/Air Bill No.: See OSPC | |

POSSIBLE SAMPLE HAZARDS/REMARKS
*Asbestos Beryllium*

Special Handling and/or Storage

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservation | None | | | | | | | | | |
| Type of Container | G/P | | | | | | | | | |
| No. of Container(s) | 1 | | | | | | | | | |
| Volume | 5g | | | | | | | | | |
| SAMPLE ANALYSIS | Asbestos-BULK-EPA | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | Asbestos-BULK-EPA | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J15217 PL-J4997 | OTHER SOLID | 4-25-07 | 1340 | X | | | | | | | | |
| J15218 QC | OTHER SOLID | ↓ | 1345 | X | | | | | | | | |
| J15219 QA | OTHER SOLID | ↓ | 1350 | X | | | | | | | | |
| J15220 QD | OTHER SOLID | ↓ | 1355 | X | | | | | | | | |
| ~~J15221~~ MS 4/25/07 | OTHER SOLID | | | X | | | | | | | | |

| CHAIN OF POSSESSION | Sign/Print Names | | |
|---|---|---|---|
| Relinquished By/Removed From: MS mstankovich | Date/Time: 1400 4/25/07 | Received By/Stored In: 3728 2B | Date/Time: 4/25/07 1400 |
| Relinquished By/Removed From: 3728/2B | Date/Time: 4-26-07 0830 | Received By/Stored In: KM Simpkins | Date/Time: 4-26-07 0830 |
| Relinquished By/Removed From: KM Simpkins | Date/Time: 4-26-07 1500 | Received By/Stored In: FED EX | Date/Time: |
| Relinquished By/Removed From: | Date/Time: | Received By/Stored In: Edward | Date/Time: 4/26/07 1000 |
| Relinquished By/Removed From: | Date/Time: | Received By/Stored In: | Date/Time: |
| Relinquished By/Removed From: | Date/Time: | Received By/Stored In: | Date/Time: |

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00
Sampling COA - R30800 1000

Sampler unavailable to relinquish samples from 3728 Ref #2B. 3728 Custodian removed samples for shipping on 4-26-07.

Matrix *: S=Soil, SE=Sediment, SO=Solids, 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: Edward | Title | Date/Time: 4/26/07 1000 |
|---|---|---|---|
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

WCH-EE-011

DataChem Laboratories, Inc.
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

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| Washington Closure Hanford | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | RC-040-266 | Page 3 of 3 |
|---|---|---|---|
| Collector: Mike Stankovich/Tim Lee | Company Contact: Tim Lee; Telephone No.: 373-4596 | Project Coordinator: KESSNER, JH | Price Code: 9K; Data Turnaround: 7 Days |
| Project Designation: 300 Area D&D Waste Characterization Sampling - Other Soli | Sampling Location: 308 Building | SAF No.: RC-040 | |
| Ice Chest No.: FED EX BOX | Field Logbook No.: EL-1518-7; COA: See below | Method of Shipment: Federal Express JF-085531 | |
| Shipped To: DataChem Laboratories - ~~Cincinnati~~ Salt Lake City | Offsite Property No.: A-070180 | Bill of Lading/Air Bill No.: See OSPC | |

POSSIBLE SAMPLE HAZARDS/REMARKS
*Asbestos ~~Beryllium~~* 4/26/07

Special Handling and/or Storage

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservation | None | | | | | | | | | | |
| Type of Container | G/P | | | | | | | | | | |
| No. of Container(s) | 1 | | | | | | | | | | |
| Volume | 5g | | | | | | | | | | |
| SAMPLE ANALYSIS | Asbestos-BULK-EPA | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J15222 DK05401 | OTHER SOLID | 4-26-07 | 0754 | X | | | | | | | | |
| J15223 DV | OTHER SOLID | | 0756 | X | | | | | | | | |
| J15224 DT | OTHER SOLID | | 0758 | X | | | | | | | | |
| J15225 DU | OTHER SOLID | | 0800 | X | | | | | | | | |
| J15221 DS | other solids | | 080752 | X | | | | | | | | |

CHAIN OF POSSESSION — Sign/Print Names: 4/26/07

| Relinquished By/Removed From | Date/Time | Received By/Stored In | Date/Time |
|---|---|---|---|
| M Stankovich | 4/26/07 0850 | KM Singleton | 4-26-07 0930 |
| KM Singleton / WCH | 4-26-07 1500 | FED EX | |
| FED EX | | | 22 April 2007 |
| | | | |
| | | | |
| | | | |

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MXXCF00
Sampling COA - RS0800 1000

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

| LABORATORY SECTION | Received By: | Title | Date/Time |
|---|---|---|---|
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

WCH-EE-011

DataChem Laboratories, Inc.
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES

COC

| Washington Closure Hanford | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | RC-040-268 | Page 1 of 2 |
|---|---|---|---|
| Collector: Mike Stankovich/Tim Lee | Company Contact: Tim Lee; Telephone No.: 373-4596 | Project Coordinator: KESSNER, JH | Price Code: 9K; Data Turnaround: 7 Days |
| Project Designation: 300 Area D&D Waste Characterization Sampling - Other Soli | Sampling Location: 308 Building | SAF No.: RC-040 | |
| Ice Chest No.: FED EX BOX | Field Logbook No.: EL-1518- 7; COA: See Below | Method of Shipment: Federal Express 07E-0855-J1 | |
| Shipped To: DataChem Laboratories - Salt Lake City | Offsite Property No.: A070180 | Bill of Lading/Air Bill No.: See OSPC | |

POSSIBLE SAMPLE HAZARDS/REMARKS
~~Beryllium Asbestos~~
~~MS~~ 4/26/07

Special Handling and/or Storage

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Preservation | None | | | | | | | | | | |
| Type of Container | G/P | | | | | | | | | | |
| No. of Container(s) | 1 | | | | | | | | | | |
| Volume | 5g | | | | | | | | | | |
| SAMPLE ANALYSIS | RCF GEA Shipping Screen | | | | | | | | | | |

| Sample No. | Matrix * | Sample Date | Sample Time | RCF GEA Shipping Screen |
|---|---|---|---|---|
| J15243 07K05404 | OTHER SOLID | 4-26-07 | 0802. | X |
| J15244 | OTHER SOLID | | 0804 | X |
| J15245 | OTHER SOLID | | 0806. | X |
| J15246 | OTHER SOLID | | 0808. | X |
| 4/26/07 J15247 J14Y001 | OTHER SOLID | | 0750. | X |

| CHAIN OF POSSESSION | Date/Time | Sign/Print Names: Received By/Stored In | Date/Time |
|---|---|---|---|
| Relinquished By/Removed From: MSTankovich | 4/26/07 0850 | KMSingleton | 4-26-07 0850 |
| Relinquished By/Removed From: KMSingleton | 4-26-07 1500 | Received By/Stored In: FED EX | |
| Relinquished By/Removed From: Fedex | | Received By/Stored In: [illegible] | [illegible] |
| Relinquished By/Removed From | | Received By/Stored In | |
| Relinquished By/Removed From | | Received By/Stored In | |
| Relinquished By/Removed From | | Received By/Stored In | |

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00
Sampling COA - R30800 1000

Matrix *
S=Soil
SE=Sediment
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

| LABORATORY SECTION | Received By: [illegible] | Title | Date/Time: 27 APR 07 1000 |
|---|---|---|---|
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

WCH-EE-011

DataChem Laboratories, Inc.
960 West Levoy Drive
Salt Lake City, Utah 84123-2547

Phone: (801) 266-7700
FAX: (801) 268-9992

Web Page: www.datachem.com
E-mail: lab@datachem.com

DATA CHEM LABORATORIES

COC



| Washington Closure Hanford | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | RC-040-258 | Page 10 of 10 |
|---|---|---|---|
| Collector: Mike Stankovich/Tim Lee | Company Contact: Tim Lee; Telephone No.: 373-4596 | Project Coordinator: KESSNER, JH | Price Code: 9K; Data Turnaround: 7 Days |
| Project Designation: 300 Area D&D Waste Characterization Sampling - Other Soli | Sampling Location: 308 Building | SAF No.: RC-040 | |
| Ice Chest No.: FED EX BOX | Field Logbook No.: EL-1518-1; COA: See Below | Method of Shipment: Federal Express OTI 185501 | |
| Shipped To: DataChem Laboratories - ~~Cincinnati~~ Salt Lake City (4/26/07) | Offsite Property No.: 070180 | Bill of Lading/Air Bill No.: See OSPC | |

POSSIBLE SAMPLE HAZARDS/REMARKS
*Asbestos*

Special Handling and/or Storage

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Preservation | None | | | | | | | | | |
| Type of Container | G/P | | | | | | | | | |
| No. of Container(s) | 1 | | | | | | | | | |
| Volume | 5g | | | | | | | | | |
| SAMPLE ANALYSIS | Asbestos-BULK-EPA | | | | | | | | | |

| Sample No. | Matrix* | Sample Date | Sample Time | Asbestos-BULK-EPA |
|---|---|---|---|---|
| ~~J14YW9~~ (4/26/07) | OTHER SOLID | | | |
| ~~J14YW10~~ | OTHER SOLID | | | |
| J14YW1 (DX 04111) | OTHER SOLID | 4-25-07 | 1300 | X |
| J14YW2 (12) | OTHER SOLID | ↓ | 1305 | X |
| J14YW3 (13) | OTHER SOLID | ↓ | 1310 | X |

CHAIN OF POSSESSION — Sign/Print Names

| Relinquished By/Removed From | Date/Time | Received By/Stored In | Date/Time |
|---|---|---|---|
| MStankovich | 4/25/07 1400 | 3728/1B | 4/25/07 1400 |
| 3728/1B | 4-26-07 0830 | GMSingleton | 4-26-07 0830 |
| GMSingleton | 4-26-07 1500 | FED EX | |
| FEDEX | | Meredith Edlund | 4/26/07 1000 |
| | | | |
| | | | |

SPECIAL INSTRUCTIONS
Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00
Sampling COA - R30800 1000

Sampler unavailable to relinquish samples from 3728 Ref # 1B. 3728 Custodian removed samples for shipping on 4/26/07.

Matrix*: S=Soil; SE=Sediment; 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

| LABORATORY SECTION | Received By: Meredith Edlund | Title | Date/Time: 4/26/07 1000 |
|---|---|---|---|
| FINAL SAMPLE DISPOSITION | Disposal Method | Disposed By | Date/Time |

WCH-EE-011