

0074248

**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 10/22/07  
INITIAL/DATE

**COMMENTS:**

**SDG 07-A-5784**

**SAF-RC-040**

Rad only

Chem only

Rad & Chem

Complete

Partial

**Sample Location/Waste Site: 3718 & 3718C**

**RECEIVED**  
OCT 29 2007

**EDMC**



**DATA  
CHEM**  
LABORATORIES, INC.

10/17/07  
Page 1 of 7

**SUBMITTED TO:**

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

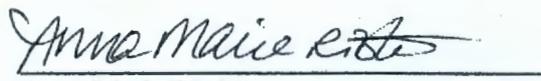


**REFERENCE DATA:**

|                      |                           |
|----------------------|---------------------------|
| Client Sample No.:   | J15PP5 through J15PT4     |
| P.O. No.:            | Not Available             |
| Sample Location:     | 3718                      |
| Sample Type:         | Bulk                      |
| Method Reference:    | EPA-600/R-93/116          |
| DCL Set ID No.:      | 07-A-5784                 |
| DCL Sample ID No.:   | 07-33578 through 07-33596 |
| Sample Receipt Date: | 10/10/07                  |
| Analysis Date:       | 10/17/07                  |

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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4388 GLENDALE-MILFORD ROAD  
CINCINNATI, OHIO 45242-3706  
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10/17/07

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

Client: Washington Closure Hanford  
Location: 3718  
Set ID: 07-A-5784

| Client Sample ID:              | J15PP5                 | J15PP6     | J15PP7                 | J15PP8     | J15PP9     |
|--------------------------------|------------------------|------------|------------------------|------------|------------|
| DCL Sample ID:                 | 07-33578               | 07-33579   | 07-33580               | 07-33581   | 07-33582   |
| <b>Macroscopic Examination</b> |                        |            |                        |            |            |
| Accepted/Rejected:             | Accepted               | Accepted   | Accepted               | Accepted   | Accepted   |
| Homogeneity:                   | Layered<br>Inseparable | Homog.     | Layered<br>Inseparable | Homog.     | Heterog.   |
| Color:                         | Grey/Yellow            | Grey       | Yellow/Grey            | Grey       | Grey/Tan   |
| Texture:                       | Crmby/Fbrs             | Crmby/Fbrs | Fbrs/Crmby             | Crmby/Fbrs | Crmby/Fbrs |
| Description:                   | Material               | Material   | Material               | Material   | Material   |
| Analysis:                      | PLM                    | PLM        | PLM                    | PLM        | PLM        |
| <b>Asbestiform Minerals</b>    |                        |            |                        |            |            |
| % Chrysotile:                  |                        |            |                        |            |            |
| % Amosite:                     |                        |            |                        |            |            |
| % Crocidolite:                 |                        |            |                        |            |            |
| % Tremolite - Actinolite:      |                        |            |                        |            |            |
| % Anthophyllite:               |                        |            |                        |            |            |
| <b>% Total Asbestos:</b>       | <b>ND</b>              | <b>ND</b>  | <b>ND</b>              | <b>ND</b>  | <b>ND</b>  |
| <b>Other Materials</b>         |                        |            |                        |            |            |
| % Cellulose:                   | >5 ≤ 10                | >5 ≤ 10    | >3 ≤ 5                 |            | >5 ≤ 10    |
| % Fiberglass:                  | >20 ≤ 30               | >20 ≤ 30   | >60 ≤ 70               | >20 ≤ 30   | >20 ≤ 30   |
| % Other Fibers:                |                        |            |                        | >5 ≤ 10    |            |
| % Resin/Binder:                |                        |            |                        |            |            |
| % Non Fibrous:                 | >50 ≤ 60               | >50 ≤ 60   | >20 ≤ 30               | >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.

10/17/07

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

Client: Washington Closure Hanford  
 Location: 3718  
 Set ID: 07-A-5784

| Client Sample ID:              | J15PR0      | J15PR1      | J15PR2      | J15PR3      | J15PR4      |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|
| DCL Sample ID:                 | 07-33583    | 07-33584    | 07-33585    | 07-33586    | 07-33587    |
| <b>Macroscopic Examination</b> |             |             |             |             |             |
| Accepted/Rejected:             | Accepted    | Accepted    | Accepted    | Accepted    | Accepted    |
| Homogeneity:                   | Layered     | Layered     | Layered     | Layered     | Layered     |
|                                | Inseparable | Inseparable | Inseparable | Inseparable | Inseparable |
| Color:                         | Grey        | Grey        | Grey        | Yellow/Grey | Grey/Tan    |
| Texture:                       | Fbrs/Crmby  | Crmby/Fbrs  | Crmby/Fbrs  | Fbrs/Crmby  | Crmby/Fbrs  |
| Description:                   | Material    | Material    | Material    | Material    | Drywall     |
| Analysis:                      | PLM         | PLM         | PLM         | PLM         | PLM         |
| <b>Asbestiform Minerals</b>    |             |             |             |             |             |
| % Chrysotile:                  |             |             |             |             |             |
| % Amosite:                     |             |             |             |             |             |
| % Crocidolite:                 |             |             |             |             |             |
| % Tremolite - Actinolite:      |             |             |             |             |             |
| % Anthophyllite:               |             |             |             |             |             |
| <b>% Total Asbestos:</b>       | <b>ND</b>   | <b>ND</b>   | <b>ND</b>   | <b>ND</b>   | <b>ND</b>   |
| <b>Other Materials</b>         |             |             |             |             |             |
| % Cellulose:                   | >50 ≤ 60    |             |             | >1 ≤ 3      | >10 ≤ 20    |
| % Fiberglass:                  | >3 ≤ 5      | >30 ≤ 40    | >30 ≤ 40    | >50 ≤ 60    |             |
| % Other Fibers:                |             |             |             |             |             |
| % Resin/Binder:                |             |             |             |             |             |
| % Non Fibrous:                 | >20 ≤ 30    | >50 ≤ 60    | >50 ≤ 60    | >30 ≤ 40    | >70 ≤ 80    |

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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

  
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 Microscopist

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10/17/07

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

Client: Washington Closure Hanford  
 Location: 3718  
 Set ID: 07-A-5784

| Client Sample ID:              | J15PR5    | J15PR5    | J15PR6    | J15PR6    | J15PR7           |
|--------------------------------|-----------|-----------|-----------|-----------|------------------|
| DCL Sample ID:                 | 07-33588A | 07-33588B | 07-33589A | 07-33589B | 07-33590A        |
| <b>Macroscopic Examination</b> |           |           |           |           |                  |
| Accepted/Rejected:             | Accepted  | Accepted  | Accepted  | Accepted  | Accepted         |
| Homogeneity:                   | Layered   | Layered   | Layered   | Layered   | Layered          |
| Color:                         | Black     | Brown     | Black     | Brown     | Grey             |
| Texture:                       | Flexible  | Crumbly   | Flexible  | Crumbly   | Compact          |
| Description:                   | Covebase  | Mastic    | Covebase  | Mastic    | Tile             |
| Analysis:                      | PLM       | PLM       | PLM       | PLM       | PLM              |
| <b>Asbestiform Minerals</b>    |           |           |           |           |                  |
| % Chrysotile:                  |           |           |           |           | >1 ≤ 3           |
| % Amosite:                     |           |           |           |           |                  |
| % Crocidolite:                 |           |           |           |           |                  |
| % Tremolite - Actinolite:      |           |           |           |           |                  |
| % Anthophyllite:               |           |           |           |           |                  |
| <b>% Total Asbestos:</b>       | <b>ND</b> | <b>ND</b> | <b>ND</b> | <b>ND</b> | <b>&gt;1 ≤ 3</b> |
| <b>Other Materials</b>         |           |           |           |           |                  |
| % Cellulose:                   |           |           |           |           |                  |
| % Fiberglass:                  |           |           |           |           |                  |
| % Other Fibers:                |           | >1 ≤ 3    |           | >1 ≤ 3    |                  |
| % Resin/Binder:                | >20 ≤ 30  | >60 ≤ 70  | >20 ≤ 30  | >60 ≤ 70  | >10 ≤ 20         |
| % Non Fibrous:                 | >60 ≤ 70  | >20 ≤ 30  | >60 ≤ 70  | >20 ≤ 30  | >70 ≤ 80         |

ND = None Detected    Trace = <1%

Special Prep Procedures: None.

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

  
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 Microscopist

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10/17/07

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

Client: Washington Closure Hanford  
Location: 3718  
Set ID: 07-A-5784

| Client Sample ID:              | J15PR7           | J15PR8           | J15PR8           | J15PR9           | J15PR9           |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|
| DCL Sample ID:                 | 07-33590B        | 07-33591A        | 07-33591B        | 07-33592A        | 07-33592B        |
| <b>Macroscopic Examination</b> |                  |                  |                  |                  |                  |
| Accepted/Rejected:             | Accepted         | Accepted         | Accepted         | Accepted         | Accepted         |
| Homogeneity:                   | Layered          | Layered          | Layered          | Layered          | Layered          |
| Color:                         | Black            | Grey             | Black            | Grey             | Black            |
| Texture:                       | Resinous         | Compact          | Resinous         | Compact          | Resinous         |
| Description:                   | Mastic           | Tile             | Mastic           | Tile             | Mastic           |
| Analysis:                      | PLM              | PLM              | PLM              | PLM              | PLM              |
| <b>Asbestiform Minerals</b>    |                  |                  |                  |                  |                  |
| % Chrysotile:                  | >3 ≤ 5           | >1 ≤ 3           | >3 ≤ 5           | >1 ≤ 3           | >3 ≤ 5           |
| % Amosite:                     |                  |                  |                  |                  |                  |
| % Crocidolite:                 |                  |                  |                  |                  |                  |
| % Tremolite - Actinolite:      |                  |                  |                  |                  |                  |
| % Anthophyllite:               |                  |                  |                  |                  |                  |
| <b>% Total Asbestos:</b>       | <b>&gt;3 ≤ 5</b> | <b>&gt;1 ≤ 3</b> | <b>&gt;3 ≤ 5</b> | <b>&gt;1 ≤ 3</b> | <b>&gt;3 ≤ 5</b> |
| <b>Other Materials</b>         |                  |                  |                  |                  |                  |
| % Cellulose:                   |                  |                  |                  |                  |                  |
| % Fiberglass:                  |                  |                  |                  |                  |                  |
| % Other Fibers:                |                  |                  |                  |                  |                  |
| % Resin/Binder:                | >70 ≤ 80         | >10 ≤ 20         | >70 ≤ 80         | >10 ≤ 20         | >70 ≤ 80         |
| % Non Fibrous:                 | >10 ≤ 20         | >70 ≤ 80         | >10 ≤ 20         | >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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10/18/07

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

Client: Washington Closure Hanford  
 Location: 3718  
 Set ID: 07-A-5784

| Client Sample ID:              | J15PT0    | J15PT0    | J15PT1    | J15PT1    | J15PT3                 |
|--------------------------------|-----------|-----------|-----------|-----------|------------------------|
| DCL Sample ID:                 | 07-33593A | 07-33593B | 07-33594A | 07-33594B | 07-33595               |
| <b>Macroscopic Examination</b> |           |           |           |           |                        |
| Accepted/Rejected:             | Accepted  | Accepted  | Accepted  | Accepted  | Accepted               |
| Homogeneity:                   | Layered   | Layered   | Layered   | Layered   | Layered<br>Inseparable |
| Color:                         | Grey      | Brown     | Grey      | Brown     | Grey/Tan               |
| Texture:                       | Flexible  | Crumbly   | Flexible  | Crumbly   | Crmbly/Fbrs            |
| Description:                   | Covebase  | Mastic    | Covebase  | Mastic    | Drywall                |
| Analysis:                      | PLM       | PLM       | PLM       | PLM       | PLM                    |
| <b>Asbestiform Minerals</b>    |           |           |           |           |                        |
| % Chrysotile:                  |           | >1 ≤ 3    |           | >1 ≤ 3    |                        |
| % Amosite:                     |           |           |           |           |                        |
| % Crocidolite:                 |           |           |           |           |                        |
| % Tremolite - Actinolite:      |           |           |           |           |                        |
| % Anthophyllite:               |           |           |           |           |                        |
| % Total Asbestos:              | ND        | >1 ≤ 3    | ND        | >1 ≤ 3    | ND                     |
| <b>Other Materials</b>         |           |           |           |           |                        |
| % Cellulose:                   |           |           |           |           | >10 ≤ 20               |
| % Fiberglass:                  |           |           |           |           |                        |
| % Other Fibers:                |           |           |           |           |                        |
| % Resin/Binder:                | >20 ≤ 30  | >60 ≤ 70  | >20 ≤ 30  | >60 ≤ 70  |                        |
| % Non Fibrous:                 | >60 ≤ 70  | >20 ≤ 30  | >60 ≤ 70  | >20 ≤ 30  | >70 ≤ 80               |

ND = None Detected Trace = <1%

Special Prep Procedures: None.

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

  
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 Microscopist

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10/18/07

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

Client: Washington Closure Hanford  
Location: 3718  
Set ID: 07-A-5784

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Client Sample ID: J15PT4  
DCL Sample ID: 07-33596

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**Macroscopic Examination**

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

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**Asbestiform Minerals**

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

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**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.

  
Shawn Smythe  
Microscopist

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| Washington Closure Hanford   |  | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST |             |                           |                   |   | RC-040-331 |   | Page 1 of 4 |                           |  |  |
|--|--|--|-------------|---------------------------|-------------------|---|------------|---|-------------|---------------------------|--|--|
| Collector<br>Mike Stankovich   |  | Company Contact<br>MT Stankovich         |             | Telephone No.<br>531-7620 |                   | Project Coordinator<br>KESSNER, JH      |            | Price Code 9K   |             | Data Turnaround<br>7 Days |  |  |
| Project Designation<br>300 Area D&D Waste Characterization Sampling - Other Soli |  | Sampling Location<br>3718                |             |                           | SAF No.<br>RC-040 |   |            |   |             |                           |  |  |
| Ice Chest No.<br><b>FED EX BOX</b>   |  | Field Logbook No.<br>EL-1518-9           |             | COA<br><i>See below</i>   |                   | Method of Shipment<br>Federal Express   |            |   |             |                           |  |  |
| Shipped To<br>DataChem Laboratories - Cincinnati                                 |  | Offsite Property No.<br><b>A080022</b>   |             |                           |                   | Bill of Lading/Air Bill No.<br>See OSPC |            |   |             |                           |  |  |
| POSSIBLE SAMPLE HAZARDS/REMARKS<br><i>Asbestos &amp; Lead</i>                    |  |  |             | Preservation              |                   | None                                    |            |   |             |                           |  |  |
|  |  |  |             | Type of Container         |                   | G/P                                     |            |   |             |                           |  |  |
|  |  |  |             | No. of Container(s)       |                   | 1                                       |            |   |             |                           |  |  |
|  |  |  |             | Volume                    |                   | 5g                                      |            |   |             |                           |  |  |
| Special Handling and/or Storage  |  |  |             |                           |                   |   |            |   |             |                           |  |  |
| SAMPLE ANALYSIS  |  |  |             | Asbestos-BULK-EPA         |                   |   |            |   |             |                           |  |  |
| Sample No.   |  | Matrix *                                 | Sample Date | Sample Time               |                   |   |            |   |             |                           |  |  |
| J15PP5   |  | OTHER SOLID                              | 10-9-07     | 0730                      | X                 | 07-33                                   | 578        |   |             |                           |  |  |
| J15PP6   |  | OTHER SOLID                              | }           | 0735                      | X                 | 33                                      | 579        |   |             |                           |  |  |
| J15PP7   |  | OTHER SOLID                              |             | 0740                      | X                 | 33                                      | 580        |   |             |                           |  |  |
| J15PP8   |  | OTHER SOLID                              |             | 0745                      | X                 | 33                                      | 581        |   |             |                           |  |  |
| J15PP9   |  | OTHER SOLID                              |             | 0750                      | X                 | 33                                      | 582        |   |             |                           |  |  |
| 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<br>SE=Sediment<br>SO=Solid<br>SI=Sludge<br>W=Water<br>O=Oil<br>A=Air<br>DS=Drum Solids<br>DL=Drum Liquids<br>T=Tissue<br>WI=Wipe<br>L=Liquid<br>V=Vegetation<br>X=Other |
| <i>M. Stankovich</i>   |  | 10-9-07 0905                             |             | <i>M. Stankovich</i>      |                   | 10-9-07 0905                            |            |   |             |                           |  |  |
| Relinquished By/Removed From   |  | Date/Time                                |             | Received By/Stored In     |                   | Date/Time                               |            |   |             |                           |  |  |
| <i>M. Stankovich</i>   |  | WCH 10-9-07 1500                         |             | <i>FED EX</i>             |                   |   |            |   |             |                           |  |  |
| Relinquished By/Removed From   |  | Date/Time                                |             | Received By/Stored In     |                   | Date/Time                               |            |   |             |                           |  |  |
|  |  |  |             | <i>M. Stankovich</i>      |                   | 10/10/07 1445                           |            |   |             |                           |  |  |
| 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-040-331 |   | Page 2 of 4 |                                  |  |  |
|--|-------------|--|-------------|---|----|---------------------------------------|------------|---|-------------|----------------------------------|--|--|
| Collector<br>Mike Stankovich   |             | Company Contact<br>MT Stankovich         |             | Telephone No.<br>531-7620               |    | Project Coordinator<br>KESSNER, JH    |            | Price Code <b>9K</b>  |             | Data Turnaround<br><b>7 Days</b> |  |  |
| Project Designation<br>300 Area D&D Waste Characterization Sampling - Other Soli |             | Sampling Location<br>3718                |             | SAF No.<br>RC-040                       |    |                                       |            |   |             |                                  |  |  |
| Ice Chest No.<br><b>FED EX BOX</b>   |             | Field Logbook No.<br>EL-1518-9           |             | COA<br><i>see below</i>                 |    | Method of Shipment<br>Federal Express |            |   |             |                                  |  |  |
| Shipped To<br>DataChem Laboratories - Cincinnati                                 |             | Offsite Property No.<br><b>A080022</b>   |             | Bill of Lading/Air Bill No.<br>See OSPC |    |                                       |            |   |             |                                  |  |  |
| POSSIBLE SAMPLE HAZARDS/REMARKS<br><i>Asbestos &amp; Lead</i>                    |             |  |             | Preservation<br>None                    |    |                                       |            |   |             |                                  |  |  |
| Special Handling and/or Storage  |             |  |             | Type of Container<br>G/P                |    |                                       |            |   |             |                                  |  |  |
|  |             |  |             | No. of Container(s)<br>1                |    |                                       |            |   |             |                                  |  |  |
|  |             |  |             | Volume<br>5g                            |    |                                       |            |   |             |                                  |  |  |
| SAMPLE ANALYSIS  |             |  |             | Asbestos-BULK-EPA                       |    |                                       |            |   |             |                                  |  |  |
| Sample No.   | Matrix *    | Sample Date                              | Sample Time |   |    |                                       |            |   |             |                                  |  |  |
| J15PR0   | OTHER SOLID | 10-9-07                                  | 0755        | X                                       | 07 | 335                                   | 83         |   |             |                                  |  |  |
| J15PR1   | OTHER SOLID | }  | 0860        | X                                       |    | 335                                   | 84         |   |             |                                  |  |  |
| J15PR2   | OTHER SOLID |  | 0805        | T                                       |    | 335                                   | 85         |   |             |                                  |  |  |
| J15PR3   | OTHER SOLID |  | 0810        | X                                       |    | 335                                   | 86         |   |             |                                  |  |  |
| J15PR4   | OTHER SOLID |  | 0815        | X                                       |    | 335                                   | 87         |   |             |                                  |  |  |
| 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<br>SB=Sediment<br>SO=Solid<br>SL=Sludge<br>W=Water<br>O=Oil<br>A=Air<br>DS=Drum Solids<br>DL=Drum Liquids<br>T=Tissue<br>Wl=Wipe<br>L=Liquid<br>V=Vegetation<br>X=Other |
| <i>Mike Stankovich</i>   |             | 10-9-07 1905                             |             | <i>MT Stankovich</i>                    |    | 10-9-07 0905                          |            |   |             |                                  |  |  |
| Relinquished By/Removed From   |             | Date/Time                                |             | Received By/Stored In                   |    | Date/Time                             |            |   |             |                                  |  |  |
| <i>MT Stankovich</i>   |             | 10-9-07 1500                             |             | <i>FED EX</i>                           |    |                                       |            |   |             |                                  |  |  |
| Relinquished By/Removed From   |             | Date/Time                                |             | Received By/Stored In                   |    | Date/Time                             |            |   |             |                                  |  |  |
| <i>MT Stankovich</i>   |             |  |             | <i>MT Stankovich</i>                    |    | 10/10/07 1445                         |            |   |             |                                  |  |  |
| 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                             |            |   |             |                                  |  |  |

2707

|  |                 |              |  |                       |   |               |                                       |   |               |             |                           |   |
|--|-----------------|--------------|--|-----------------------|---|---------------|---------------------------------------|---|---------------|-------------|---------------------------|---|
| Washington Closure Hanford   |                 |              | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST |                       |   |               |                                       | RC-040-331  |               | Page 3 of 4 |                           |   |
| Collector<br>Mike Stankovich   |                 |              | Company Contact<br>MT Stankovich         |                       | Telephone No.<br>531-7620               |               | Project Coordinator<br>KESSNER, JH    |   | Price Code 9K |             | Data Turnaround<br>7 Days |   |
| Project Designation<br>300 Area D&D Waste Characterization Sampling - Other Soli |                 |              | Sampling Location<br>3718                |                       | SAF No.<br>RC-040                       |               |                                       |   |               |             |                           |   |
| Ice Chest No.<br>FED EX BOX  |                 |              | Field Logbook No.<br>EL-1518-9           |                       | COA<br>See below                        |               | Method of Shipment<br>Federal Express |   |               |             |                           |   |
| Shipped To<br>DataChem Laboratories - Cincinnati                                 |                 |              | Offsite Property No.<br>A080022          |                       | Bill of Lading/Air Bill No.<br>See OSPC |               |                                       |   |               |             |                           |   |
| POSSIBLE SAMPLE HAZARDS/REMARKS<br>Asbestos & Lead                               |                 |              |  | Preservation          | None                                    |               |                                       |   |               |             |                           |   |
| Special Handling and/or Storage  |                 |              |  | Type of Container     | G/P                                     |               |                                       |   |               |             |                           |   |
|  |                 |              |  | No. of Container(s)   | 1                                       |               |                                       |   |               |             |                           |   |
|  |                 |              |  | Volume                | 5g                                      |               |                                       |   |               |             |                           |   |
| SAMPLE ANALYSIS  |                 |              |  |                       | Asbestos-<br>BULK-EPA                   |               |                                       |   |               |             |                           |   |
| Sample No.   | Matrix *        | Sample Date  | Sample Time                              |                       |   |               |                                       |   |               |             |                           |   |
| J15PR5   | OTHER SOLID     | 10-9-07      | 0820                                     | X                     | 07-                                     | 335           | 88                                    |   |               |             |                           |   |
| J15PR6   | OTHER SOLID     | }            | 0825                                     | X                     |   | 335           | 89                                    |   |               |             |                           |   |
| J15PR7   | OTHER SOLID     |              | 0830                                     | T                     |   | 335           | 90                                    |   |               |             |                           |   |
| J15PR8   | OTHER SOLID     |              | 0835                                     | T                     |   | 335           | 91                                    |   |               |             |                           |   |
| J15PR9   | OTHER SOLID     |              | 0840                                     | T                     |   | 335           | 92                                    |   |               |             |                           |   |
| 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<br>SE=Scumment<br>SO=Solid<br>SI=Sludge<br>W=Water<br>O=Oil<br>A=Air<br>DS=Drum Solids<br>DL=Drum Liquids<br>T=Tissue<br>W=Wipe<br>L=Liquid<br>V=Vegetation<br>X=Other |
| M. Stankovich  |                 | 10-9-07 0905 |  | K.M. Singleton        |   | 10-9-07 0905  |                                       |   |               |             |                           |   |
| WCH  |                 | 10-9-07 1300 |  | FED EX                |   |               |                                       |   |               |             |                           |   |
| K.M. Singleton   |                 | 10-9-07 1300 |  | W. Reichert           |   | 10/10/07 1445 |                                       |   |               |             |                           |   |
|  |                 |              |  |                       |   |               |                                       |   |               |             |                           |   |
| 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                             |   |               |             |                           |   |

3101

|  |             |   |                                   |   |      |   |            |   |           |  |   |       |  |
|--|-------------|---|-----------------------------------|---|------|---|------------|---|-----------|--|---|-------|--|
| <b>Washington Closure Hanford</b>  |             | <b>CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST</b> |                                   |   |      |   | RC-040-331 | Page 4 of 4   |           |  |   |       |  |
| Collector<br>Mike Stankovich   |             | Company Contact<br>MT Stankovich                |                                   | Telephone No.<br>531-7620               |      | Project Coordinator<br>KESSNER, JH                |            |   |           |  |   |       |  |
| Project Designation<br>300 Area D&D Waste Characterization Sampling - Other Soli                                   |             | Sampling Location<br>3718 + 3718C               |                                   | SAF No.<br>RC-040                       |      | Price Code 9K<br>Data Turnaround<br><b>7 Days</b> |            |   |           |  |   |       |  |
| Ice Chest No.<br><b>FED EX BOX</b>   |             | Field Logbook No.<br>EL-1518-9                  |                                   | COA<br><i>see below</i>                 |      | Method of Shipment<br>Federal Express             |            |   |           |  |   |       |  |
| Shipped To<br>DataChem Laboratories - Cincinnati   |             | Offsite Property No.<br><b>A080022</b>          |                                   | Bill of Lading/Air Bill No.<br>See OSPC |      |   |            |   |           |  |   |       |  |
| <b>POSSIBLE SAMPLE HAZARDS/REMARKS</b><br><i>Asbestos &amp; Lead</i><br><br><b>Special Handling and/or Storage</b> |             |   |                                   | Preservation                            | None |   |            |   |           |  |   |       |  |
|  |             |   |                                   | Type of Container                       | G/P  |   |            |   |           |  |   |       |  |
|  |             |   |                                   | No. of Container(s)                     | 1    |   |            |   |           |  |   |       |  |
|  |             |   |                                   | Volume                                  | 3g   |   |            |   |           |  |   |       |  |
| <b>SAMPLE ANALYSIS</b>   |             |   |                                   | Asbestos-BULK-EPA                       |      |   |            |   |           |  |   |       |  |
| Sample No.   | Matrix *    | Sample Date                                     | Sample Time                       |   |      |   |            |   |           |  |   |       |  |
| J15PT0   | OTHER SOLID | 10-9-07   | 0846                              | X                                       |      | 07  | 335        | 93  |           |  |   | 3718  |  |
| J15PT1   | OTHER SOLID | 10-9-07   | 0850                              | X                                       |      |   | 335        | 94  |           |  |   | 3718  |  |
| <del>J15PT2</del> <i>no 10/2/07</i>  | OTHER SOLID |   |                                   |   |      |   |            |   |           |  |   |       |  |
| J15PT3   | OTHER SOLID | 10-9-07   | <del>0855</del> <i>no 10/2/07</i> | X                                       |      |   | 335        | 95  |           |  |   | 3718C |  |
| J15PT4   | OTHER SOLID | 10-9-07   | <del>0855</del> <i>no 10/2/07</i> | X                                       |      |   | 335        | 96  |           |  |   | 3718C |  |
| <b>CHAIN OF POSSESSION</b>   |             |   |                                   | <b>Sign/Print Names</b>                 |      | <b>SPECIAL INSTRUCTIONS</b>                       |            |   |           |  | Matrix *<br>S=Soil<br>SE=Settlement<br>SO=Solid<br>SL=Sludge<br>W = Water<br>O=Oil<br>A=Air<br>DS=Dry Solids<br>DL=Drym Liquids<br>T=Tissue<br>WI=Wipe<br>L=Liquid<br>V=Vegetation<br>X=Other |       |  |
| Relinquished By/Removed From   |             | Date/Time                                       |                                   | Received By/Stored In                   |      | Date/Time   |            | Laboratory Analysis, Data Management, and Shipping COA - RD4MXX2F00 |           |  |   |       |  |
| <i>MJH</i>   |             | 10-9-07   |                                   | <i>MT Stankovich</i>                    |      | 10-9-07   |            |   |           |  |   |       |  |
| Relinquished By/Removed From   |             | Date/Time                                       |                                   | Received By/Stored In                   |      | Date/Time   |            |   |           |  |   |       |  |
| <i>WCH</i>   |             | 10-9-07 1520                                    |                                   | <b>FED EX</b>                           |      |   |            |   |           |  |   |       |  |
| Relinquished By/Removed From   |             | Date/Time                                       |                                   | Received By/Stored In                   |      | Date/Time   |            |   |           |  |   |       |  |
|  |             |   |                                   | <i>WCH</i>                              |      | 10/10/07 1445                                     |            |   |           |  |   |       |  |
| 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   |            |   |           |  |   |       |  |
| <b>LABORATORY SECTION</b>  |             | Received By                                     |                                   | Title                                   |      | Date/Time   |            |   |           |  |   |       |  |
| <b>FINAL SAMPLE DISPOSITION</b>  |             | Disposal Method                                 |                                   | Disposed By                             |      |   |            |   | Date/Time |  |   |       |  |