

SAF-RC-189
100N Field Remediation –
Soil Full Protocol
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Kathy Wendt H4-21

KW 6/2/11
INITIAL/DATE

COMMENTS:

SDG MA02525 SAF-RC-189

Rad only

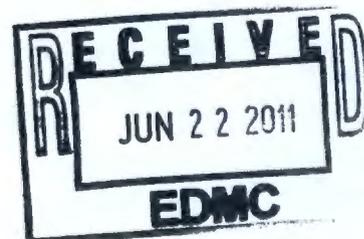
Chem only

Rad & Chem

Complete

Partial

Sample Location: 100-N-61



Asbestos PLM Cover Sheet

Sample Date: May 24, 2011
Receipt Date: May 26, 2011
Reporting Date: June 1, 2011
SDG #: MA02525
SAF#: RC-189
Data Deliverable: 7 Day Turn



| Customer Sample Number | Laboratory Sample Number | Analytical Batch Identification | Sample Matrix |
|------------------------|--------------------------|---------------------------------|---------------|
| J1J4L1 | MJR99 | 1146186 | SOIL |

I certify that this Certificate of Analysis is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager, or a designee as verified by the following signature.

Reviewed and approved:

Dennis O'Neill
Project Manager

We certify that the following samples were prepared by Polarized Light Microscopy for asbestos and other fibrous constituents using TestAmerica's procedure, RL-ASB-002. The samples were acceptable upon receipt except where noted. Mountings of fibers observed and representative portions of the material were prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the portions of materials analyzed and are summarized on the attached Asbestos PLM analysis data sheet. TestAmerica will dispose of all bulk samples after 60 days unless other arrangements are made.

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

TA Richland
Asbestos PLM

| | | | | | |
|--------------------------------|-------------|-----------------|------------|---------|---------|
| Analyst: | D. Petty | SOP Information | Method | Batch # | 1146186 |
| Analyst Signature: | <i>D.P.</i> | RL-ASB-002 | NIOSH 9002 | SDG # | MA02525 |
| Date: | 5/31/11 | Revision 2 | | | |
| Sample ID | | | | | |
| | MJR991AA | | | | |
| Client ID | | | | | |
| | J1J4L1' | | | | |
| Macroscopic examination | | | | | |
| Sample Description | soil | | | | |
| Homogeneous | Y | | | | |
| Color | brown | | | | |
| % Visible Fibers | 0 | | | | |
| PLM Analysis | | | | | |
| Asbestiform Minerals | | | | | |
| % Chrysotyle | ND | | | | |
| % Amosite | ND | | | | |
| % Crocidolite | ND | | | | |
| % Tremolite | ND | | | | |
| % Actinolite | ND | | | | |
| % Anthophyllite | ND | | | | |
| % Total Asbestos | ND | | | | |
| Other Materials | | | | | |
| % Cellulose | ND | | | | |
| % Glass Fibers | ND | | | | |
| % Other fibers | ND | | | | |
| % Non-fibrous | 100 | | | | |

Comments:

Note: "ND" stands for "None Detected". "TRA" stands for "<1%"

| Washington Closure Hanford | | CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST | | | | RC-189-023 | Page 1 of 1 |
|---|-----------------------------------|---|---|----------------------|---------------------------|------------|-------------|
| Collector BC Koelling | Company Contact Joan Kessner | Telephone No. 375-4688 | Project Coordinator KESSNER, JH | Price Code 8L | Data Turnaround 7 Days | | |
| Project Designation 100N Field Remediation - Soil Full Protocol | Sampling Location 100-N-61 | SAF No. RC-189 | Method of Shipment <i>A7 Fed Ex Hand Deliver</i> | | | | |
| Ice Chest No. <i>NA</i> | Field Logbook No. EI-1652-3 | COA R11NX3Y000 | Bill of Lading/Air Bill No. <i>N/A</i> | | | | |
| Shipped To <i>TAL Richland A3 5-26-11</i> <i>ALS Laboratories - Cincinnati SALT Lake MAY 21-11</i> | Offsite Property No. <i>NA</i> | | | | | | |
| POSSIBLE SAMPLE HAZARDS/REMARKS <i>Potential Radio Activity and Asbestos</i> <i>MAB 5/24/11</i> <i>Special Handling and/or Storage</i> <i>Cool + de-grease - NONE MAB 5-19-11</i> | Preservation | None | | | | | |
| | Type of Container | G/P | | | | | |
| | No. of Container(s) | 1 | | | | | |
| | Volume | 250mL | | | | | |
| <i>SDG#MA02504 MA02525 LV 5/24/11</i> <i>Lot#JIE260458 SAMPLE ANALYSIS</i> <i>Due: 6-2-11</i> <i>MJR99</i> | | Asbestos-BULK-EPA | | | | | |
| Sample No. | Matrix * | Sample Date | Sample Time | | | <i>Ref</i> | |
| J1J4L1 | SOIL | 5-24-11 | 1305 | ✓ | | 28499 | |
| CHAIN OF POSSESSION | | Sign/Print Names | | SPECIAL INSTRUCTIONS | | | |
| Relinquished By/Removed From <i>MSB</i> | Date/Time <i>5/24/11 1330</i> | Received By/Stored In <i>MSB</i> | Date/Time <i>5/24/11 1330</i> | | | | |
| Relinquished By/Removed From <i>MSB</i> | Date/Time <i>5-24-11 1540</i> | Received By/Stored In <i>1060 FRIPGS</i> | Date/Time <i>5/24/11 1540</i> | | | | |
| Relinquished By/Removed From <i>A. PORTER</i> | Date/Time <i>5/26/11 1050</i> | Received By/Stored In <i>TALR</i> | Date/Time <i>5-26-11 1050</i> | | | | |
| 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 | | | |