

**Table B30-1  
Summary of Chemical Constituents Detected in Surface Soil, March 2000  
Solid Waste Management Unit B-30**

|                            | Sample ID | RW-B30-SS01             |          |                 |         | RW-B30-SS01 |          |                 |         | RW-B30-SB01 |          |                 |         | RW-B30-SS02 |          |                 |         | RW-B30-SS02 |          |                 |         | RW-B30-SS03 |          |     |  |
|----------------------------|-----------|-------------------------|----------|-----------------|---------|-------------|----------|-----------------|---------|-------------|----------|-----------------|---------|-------------|----------|-----------------|---------|-------------|----------|-----------------|---------|-------------|----------|-----|--|
|                            |           | Sample Date             |          |                 |         | Sample Date |          |                 |         | Sample Date |          |                 |         | Sample Date |          |                 |         | Sample Date |          |                 |         | Sample Date |          |     |  |
|                            |           | Sample Type             |          |                 |         | Sample Type |          |                 |         | Sample Type |          |                 |         | Sample Type |          |                 |         | Sample Type |          |                 |         | Sample Type |          |     |  |
|                            |           | Soil Type               |          |                 |         | Soil Type   |          |                 |         | Soil Type   |          |                 |         | Soil Type   |          |                 |         | Soil Type   |          |                 |         | Soil Type   |          |     |  |
| Beginning Depth            |           |                         |          | Beginning Depth |         |             |          | Beginning Depth |         |             |          | Beginning Depth |         |             |          | Beginning Depth |         |             |          | Beginning Depth |         |             |          |     |  |
| Ending Depth               |           |                         |          | Ending Depth    |         |             |          | Ending Depth    |         |             |          | Ending Depth    |         |             |          | Ending Depth    |         |             |          | Ending Depth    |         |             |          |     |  |
| Lab ID                     |           |                         |          | Lab ID          |         |             |          | Lab ID          |         |             |          | Lab ID          |         |             |          | Lab ID          |         |             |          | Lab ID          |         |             |          |     |  |
| Soil Comparison Criteria   |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Lab                        | Lab       | Background <sup>a</sup> | RRS2-GWP | RRS2-SAI        | Results |             |          |                 | Results |             |          |                 | Results |             |          |                 | Results |             |          |                 | Results |             |          |     |  |
| MDL                        | RL        | Soil                    | (Ind.)   | (Ind.)          | Results | Flags       | Dilution | SQL             | Results | Flags       | Dilution | SQL             | Results | Flags       | Dilution | SQL             | Results | Flags       | Dilution | SQL             | Results | Flags       | Dilution | SQL |  |
| <b>SW6010B (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Barium                     | 0.044     | 1.0                     | 186      | 200             | 59,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Chromium                   | 0.078     | 20.0                    | 40.2     | 10              | 350,000 |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Copper                     | 0.072     | 2.0                     | 23.2     | 130             | 74,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Nickel                     | 0.118     | 2.0                     | 35.5     | 200             | 12,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Zinc                       | 0.42      | 2.0                     | 73.2     | 3,100           | 41,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW7060A (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Arsenic                    | 0.032     | 0.5                     | 19.6     | 5               | 200     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW7131A (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Cadmium                    | 0.022     | 0.1                     | 3.00     | 0.5             | 410     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW7421 (mg/kg)</b>      |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Lead                       | 0.069     | 0.5                     | 84.5     | 1.5             | 1,000   |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW7471A (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Mercury                    | 0.024     | 0.1                     | 0.77     | 0.2             | 9.6     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW8260B (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Methylene chloride         | 0.0007    | 0.005                   | --       | 0.5             | 16      |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Naphthalene                | 0.001     | 0.02                    | --       | 200             | 270     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Toluene                    | 0.0003    | 0.005                   | --       | 100             | 24,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Trichlorobenzene, 1,2,3-   | 0.0008    | 0.004                   | --       | NA              | NA      |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| <b>SW8270C (mg/kg)</b>     |           |                         |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Benzo(a)anthracene         | 0.04      | 0.7                     | --       | 0.039           | 3.4     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Benzo(a)pyrene             | 0.05      | 0.7                     | --       | 0.02            | 0.34    |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Benzo(b)fluoranthene       | 0.06      | 0.7                     | --       | 0.039           | 3.4     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Benzo(g,h,i)perylene       | 0.04      | 0.7                     | --       | 310             | 27,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Bis(2-ethylhexyl)phthalate | 0.03      | 0.7                     | --       | 0.6             | 65      |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Chrysene                   | 0.04      | 0.7                     | --       | 3.9             | 340     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Fluoranthene               | 0.04      | 0.7                     | --       | 410             | 36,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Indeno(1,2,3-cd)pyrene     | 0.04      | 0.7                     | --       | 0.039           | 3.4     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Naphthalene                | 0.04      | 0.7                     | --       | 200             | 270     |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Phenanthrene               | 0.04      | 0.7                     | --       | 310             | 27,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |
| Pyrene                     | 0.05      | 0.7                     | --       | 310             | 27,000  |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |                 |         |             |          |     |  |

Tables present all laboratory results for analytes detected above the method detection limit. Results from all laboratory analysis are presented in Appendix A.  
 All samples were analyzed by APPL Inc. and O'Brien and Gere Laboratories.  
 Referenced laboratory package numbers: APPL Inc.: 32207  
 O'Brien and Gere: 4975, 5012  
 All MS/MSD results are presented in the Data Verification Reports, Appendix D.  
**Data Qualifiers:**  
 B- The analyte was found in an associated blank, as well as in the sample.  
 F- The analyte was positively identified, but the associated numerical value is below the RL.  
 J- The analyte was positively identified, the quantitation is an estimation.  
 M - A matrix effect was present.  
 R - The data are unusable due to deficiencies in the ability to analyze the sample and meet QC criteria.  
 U - The analyte was analyzed for, but not detected. The associated numerical value is the MDL.

**Abbreviations and Notes:**  
 Bolded and highlighted samples indicate results greater than RRS1 Standards.  
 Boxed sample concentrations exceed RRS2 Standards.  
 -- No risk reduction standard or background level available  
 a Background values from Revised Background Report, February 2002  
 DL Dilution  
 FD1 Field Duplicate  
 GWP-Ind Soil MSC based on groundwater protection  
 Kr Krum Complex  
 MDL Method Detection Limit  
 N1 Environmental Sample  
 NA Not Available  
 RL Reporting Limit  
 SAI-Ind Soil MSC for industrial use based on inhalation, ingestion, and dermal contact  
 SQL Sample Quantitation Limit