Summary of Changes: ISM02.0 to ISM02.1

The following Summary of Changes highlights the major modifications implemented in SOW ISM02.1 compared to SOW ISM02.0. Interested parties are strongly encouraged to read the complete SOW and familiarize themselves with all of the requirements.

ISM02.1

Exhibit A

- Requirements for thermometer calibration are specified in new Section 5.4.4.6.
- Requirements for sample pH measurements are specified in new Sections 5.4.5, 5.4.5.1, and 5.4.5.2.

Exhibit B

- **Section 1.1, Table 1.0, Item G; and Section 2.8** – The delivery schedule and distribution list of the Method Detection Limit (MDL) and ICP-AES Interelement Correction (IEC) factors deliverables have been clarified.
- **Section 1.1, Footnote 6** – The format of PDF file name for the Preliminary Results has been updated from "Case Number_SDG Number_Contract Number_Method" to "PR_Case Number_SDG Number_Contract Number_Method".
- **Section 2.4.1** – The Complete Sample Delivery Group File (CSF) is now to be organized according to Form DC-2.
- **Sections 2.4.6.1 and 2.7.1; and SDG Cover Page** – The statement certifying the deliverables "…for other than the conditions detailed above…" in the Laboratory Manager's/designee's statement has been updated to "…for other than the conditions detailed in the SDG Narrative..."
- **Section 2.6.2** – The searchable requirement for the Portable Document Format (PDF) of the Complete Sample Delivery Group File (CSF) has been removed.
- **Section 2.6.2** – The format of PDF file name for the hardcopy deliverables has been updated from "Case Number_SDG Number_Contract Number_Submission Type" to "HCD_Case Number_SDG Number_Contract Number_Submission Type".
- **Section 2.6.2.1.2, Table 3** – An "Additional Documents" Parent Bookmark for the Group Bookmark "Receiving Documents, Transfer Records, and Miscellaneous" has been added to the table.

Exhibit B Inorganic Forms

- **Forms 2-IN, 3-IN, and 4-IN** – The "EPA SAMPLE NO." box has been removed.

Exhibit D

- **General, Section 8.2.1** – The remaining unused portion of the aqueous/water and soil/sediment samples must be stored within the laboratory until 60 days after delivery of a complete, reconciled data package to the U.S. Environmental Protection Agency (EPA), and may be stored at room temperature.

- **General, Section 8.2.2** – The remaining unused portion of the preserved TCLP or SPLP leachates must be stored within the laboratory until 180 days after delivery of a complete, reconciled data package to the EPA; and may now be stored at room temperature

- **General, Sections 10.1.5 and 10.1.5.1** – Language has been added to clarify that the requirements are applicable to all analytical methods.

- **General, Section 10.1.6** – Requirement has been updated from "samples containing less than 50% solids" to "samples containing more than 30% solids and less than 50% solids".

- **ICP-AES, Section 11.1** – Language in the NOTE has been updated to "Convert units to mg/L for TCLP leachates by dividing the final calculated concentration by 1000."

- **ICP-AES, Section 11.5** – A key defining each parameter has been added below the equation for the Hardness Sample Calculation.

- **Mercury, Section 11.1** – Language in the NOTE has been updated to "Convert units to mg/L for TCLP leachates by dividing the final calculated concentration by 1000."

- **Mercury, Section 12.2.4.2** – The definition of the "SA" parameter, in the key below the equation for Matrix Spike Percent Recovery, has been updated to "Spike Added Theoretical Result (µg/L or mg/kg). This is calculated by substituting the spike concentration specified in Section 12.2.3.2 for the 'C' term from EQ. 3 or EQ.4."

- **Cyanide, Section 12.2.4.2** – The definition of the "SA" parameter, in the key below the equation for Matrix Spike and Post-Distillation Spike Percent Recovery, has been updated to "Spike Added Theoretical Result (µg/L or mg/kg). This is calculated by using the spike concentration specified in Section 12.2.3.2 and applying all corrections used in calculating the sample concentration."

Exhibit G

- Field Blank definition has been updated.

Exhibit H

- **Section 6.2** – The date in "SEDD_5-2_GENERAL_3_3.dtd 09/30/2009" has been updated to 10/22/2009.

- **Section 7.1, Tables 1, 2 and 3** – The instructions for ReportedResult/AnalyteType and Analyte/AnalyteType have been updated to also report “Spike” for all target analytes designated as spike analytes for Post-Digestion Spike and LCS analyses.

- **Appendix A, Section 1.0** – The format of the Excel file name for the MDL study data has been updated from “SOW Number_Analytical Method_Preparation Method_Instrument ID_Level_Matrix.xls” to “MDL_SOW Number_Analytical Method_Preparation Method_Instrument_ID_Level_Matrix.xls”.

- **Appendix A, Table A-1** – “PreparationPlusCleanup/ClientMethodCode” in the Instructions for ClientMethodCode has been updated to “PreparationPlusCleanup/ClientMethodID”.