

Summary of Changes: ISM01.3 to ISM02.0

The following Summary of Changes highlights the major modifications implemented in SOW ISM02.0 compared to the current SOW.

This is a high – level summary and is not intended to be a complete or comprehensive listing of every modification. Interested parties are strongly encouraged to read the new SOW and familiarize themselves with all of the requirements.

Exhibit B

Data Package Assembly: All data reporting forms and raw data are to be assembled by analytical method. For example, all reporting forms and raw data for ICP-AES would be reported separately from Mercury and/or Cyanide.

Data Reporting Forms: The forms have been modified to include sample specific information, been simplified, or forms have been removed. One example, the analyte list has been removed from the Form 1-IN. When reporting, only one method shall be reported on a single form. For example, only ICP-AES analytes shall be reported on Form 1-IN. In the case of multiple analytical methods, each method would require a set of reporting forms (one for each analytical method).

The Portable Document Format (PDF) of the Complete Sample Delivery Group deliverable is to be submitted as a searchable PDF file.

Exhibit C

This Exhibit has been updated to include the CRQLs for TCLP/SPLP and hardness. The CRQLs for the ICP-AES air filter matrix has been removed.

Exhibit D

D-Introduction to Inorganic Analytical Methods

This Exhibit has been reorganized and some material is now available in Exhibit D – General Inorganic Analysis.

D – General Inorganic Analysis

This is a new Exhibit. This Exhibit provides the methods for the TCLP and SPLP extraction procedures, as well as the procedure for Percent Solids determination.

D – Inductively Coupled Plasma – Atomic Emission Spectroscopy

The air filter matrix and the alternative preparation methods have been removed. Hardness (total) by calculation has been included.

D- Inductively Coupled Plasma-Mass Spectrometry

The soil preparation method has been modified from EPA SW-846 Method 3050B to EPA Method 200.8.

D-Total Cyanide Analysis

The aqueous sample preservation requirements have been modified. Samples should be received preserved to pH > 10 with NaOH. The preparation analysis procedure has been modified to include checking for the presence of nitrate/ nitrite and the treatment of these samples prior to distillation.

Exhibit E – Quality Systems and Exhibit F – Programmatic Quality Assurance/Quality Control Elements

These two exhibits have been extensively reorganized. Exhibit E includes requirements for: Quality Management Plans; Quality Assurance Project Plans; Standard Operating Procedures; and Chain-of Custody. Exhibit F includes requirements for: Proficiency Testing program; Contract Compliance Screening; On-site laboratory Audits; Data Package Audits; Electronic Data Audits; and Regional Data Review.

Exhibit H

SEDD Stage 3 deliverables are required for the electronic data deliverable. Instructions for Stage 3 specific data nodes and elements are provided.

Method Detection Limit (MDL) study data is required to be submitted as an EDD. Instructions for MDL EDD submittal are provided in Appendix A.