

I-14 Waste Handling Plan Operating Instructions

This operating instruction is limited to the documentation and the preparation of the *Waste Handling Plans* (WHP) for sampling efforts taken to support the development of a waste profile for remediation efforts milestone within this Agreement. If environmental samples are to be collected to determine acceptability for disposal at a designated Oak Ridge Reservation (ORR) facility, the following steps will be taken in association with the WHP:

- a. DOE will hold a waste characterization assessment meeting with EPA and TDEC to determine the scope of sampling necessary to ensure acceptability of generated wastes designated for disposal at an ORR facility. The waste characterization waste handling plan (WHP) (Attachment 1) will be developed based on agreements reached at this meeting.
- b. EPA and TDEC will participate in the development of the WHP and identify any issues or problems as the document is developed. Issues that cannot be resolved will be documented and elevated to managers for resolution in a time frame that does not impact the project schedule. The goal will be to make the first draft of the WHP acceptable to all parties.

Waste Handling Plan Outline

- I. INTRODUCTION (BRIEF)
- II. SCOPE
 - Decision Document expectations for waste generation, storage, treatment, disposition
 - Estimated volumes and waste categories/discussion of CWDP and WGF updates
 - Overall schedule
- III. SITE BACKGROUND AND PHYSICAL SETTING (BRIEF)
- IV. DATA QUALITY ASSESSMENT AND WAC ATTAINMENT
 - A. Summary of Waste Characterization Sample Planning Meeting with Regulatory Representatives
 - B. Previous Studies and Existing Data/Usability
 - C. Identification of Data Gaps for WAC Attainment for any potential disposal outlet
 - 1. Administrative WAC (including LDRs) - EMWMF specific
 - 2. Physical WAC (including Auditable Safety Analysis requirements) - EMWMF specific
 - 3. Analytic WAC - EMWMF specific
- V. SAMPLING PLAN and DQOs/QAPP
 - A. Project Task Organization
 - B. Waste Lot Definition
 - C. Number of Samples
 - D. Sampling Locations and Depths (include map)
 - E. Sampling Method
 - F. Analytical Requirements (analytical constituents and CAS Number, analytical methods, detection limits)
 - G. Field Activities
 - 1. Method of Sampling (e.g., soil coring, trenching, sample pits, etc)
 - 2. Sample Selection and Preparation
 - 3. Sample Management (e.g., staging, labeling, shipment, Chain of Custody, etc)
 - H. Data Management and Validation
 - 1. Data verification and validation
 - 2. Data management and configuration control
 - I. Waste Management During Sampling
 - 1. Types of Waste Generated
 - a. Personal Protective Equipment (PPE)
 - b. Equipment Decontamination Waste
 - c. Sanitary Wastes
 - 2. Waste Quantities (waste lot definitions)
 - 3. Waste Containers and Labeling Requirements
 - 4. Waste Management (e.g., IDW staging area, signage requirements, etc.)
 - 5. Waste Disposition (include alternative disposition if it fails to meet WAC for primary/planned disposition)
- VI. WASTE MANAGEMENT
 - A. Types of Waste Generated
 - B. Waste Quantities Per Lot
 - C. Waste Containers
 - D. Storage/Staging
 - E. Transportation
 - F. Options for Waste Disposition
 - G. Schedule
 - Interim Staging/Treatment
 - Final Disposition