



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

April 17, 2023

VIA ELECTRONIC MAIL

Mr. Roger B. Petrie
Federal Facility Agreement Manager
Oak Ridge Office for Environmental Management
Department of Energy
Post Office Box 2001
Oak Ridge, Tennessee 37831

Dear Mr. Petrie:

The U.S. Environmental Protection Agency has completed review of the *Remedial Design Report/Remedial Action Work Plan for the Environmental Management Disposal Facility for the Disposal, Oak Ridge, Tennessee, Early Site Preparation Activities* (DOE/OR/01-2934&D2) received electronically on April 12, 2023.

The conceptual design of the Environmental Management Disposal Facility (EMDF) is based on a total constructed volumetric capacity of approximately 2.2 million cubic yards, with approximately 100 acres impacted during development. The EMDF will be designed and constructed to meet applicable or relevant and appropriate requirements as included in the EMDF Record of Decision, including a liner and cap system compliant with Resource Conservation and Recovery Act requirements. Surface water will be managed by diverting water around the facility. The construction of a liner and geologic buffer system should isolate the facility from groundwater. A groundwater monitoring network also compliant with Resource Conservation and Recovery Act requirements will surround the landfill footprint during operations to monitor for any possible releases to the uppermost aquifer. A leachate collection system and other support facilities, including a landfill wastewater treatment system, will also be designed and constructed as part of the EMDF; final details will be included in a separate Remedial Design Report for the landfill design.

This document conveys the activities being conducted to expedite the project and clear interferences to site development. These early site preparation (ESP) activities will allow for the future construction of the disposal cells and support facilities by performing the initial activities necessary to support large-scale site development including:

1. Reroute of the existing Bear Creek Road and Haul Road
2. Initial preparation for Site 7b borrow area development
3. Extension of water line utilities (fire and potable water) to the EMDF Project area
4. Extension of power line utilities (electrical) to the EMDF Project area
5. Installation of construction support area (including trailer and parking areas)

This Remedial Design Report/Remedial Action Work Plan (RDR/RAWP) describes the scope of the ESP activities related to these tasks. Based on the preliminary design, this ESP work is required prior to landfill construction; however, these activities are not associated with any of the project features that will be used to control contamination.

The ESP activities are believed to occur in uncontaminated areas; therefore, all waste generated is expected to be safely disposed at the appropriate Oak Ridge Reservation Landfills. The DOE is reminded that disposal of any CERCLA-derived hazardous waste that might be discovered during these ESP activities must be preceded by approval from EPA through a Waste Handling Plan. The revised document is approved.

If you have any questions or concerns regarding this matter or require additional information, then please contact me at (404) 562-8550, or electronically at froede.carl@epa.gov.

Sincerely,

Carl R. Froede Jr.
Senior Remedial Project Manager
DOE Remedial Section
Federal Facilities Branch
Superfund & Emergency Management Division

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