Minor
OPERATION AND MAINTENANCE
Activity Plan

Site Preparation and Underground Utility Installation in Construction Work Area S-6
Site Evaluation Area 276

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1. INTRODUCTION

This Operation and Maintenance (O&M) Plan outlines procedures to support site preparation and underground utility installation work in construction areas S-6 and S-5. The plan enables soil/media disturbance within 200 feet of Site Evaluation Area (SEA) 276 while prioritizing the protection of human health, minimizing environmental impacts, and limiting effects on long-term characterization and remediation efforts. This O&M Plan is classified as 'minorly intrusive' as it involves disturbing less than 10% of SEA 276

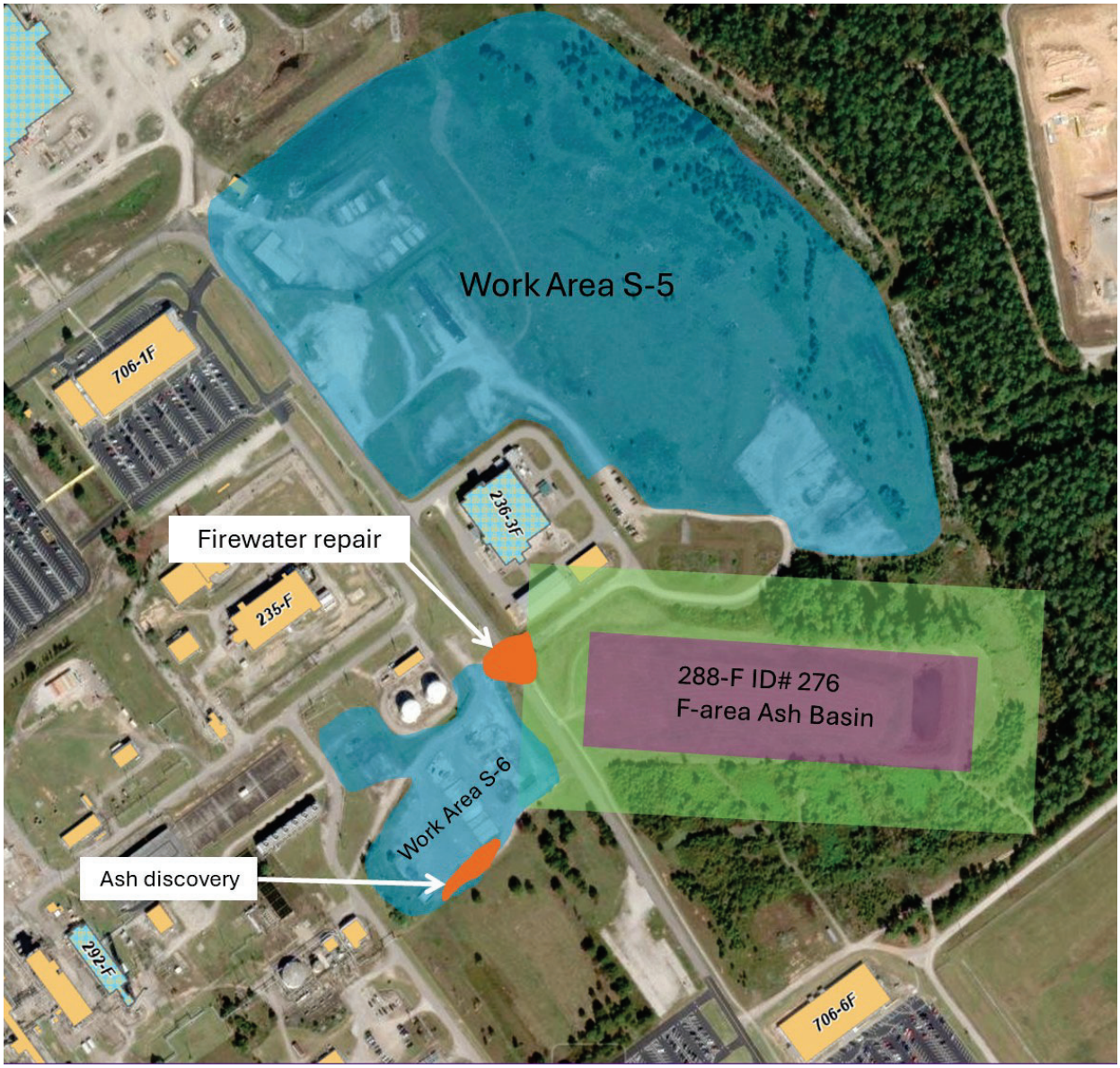
2. AREA DESCRIPTION AND CONDITIONS

The planned disturbance is within 200 feet of SEA 276, which includes the F-Area Ash Basin (288-F). The 288-F Ash Basin originally received sluice water and ash from the 284-F powerhouse, which ceased operations in the 1980s. Following the closure of the 284-F powerhouse, the basin continued to accept dry coal ash for disposal from the 784-A powerhouse until the facility was decommissioned and replaced by a biomass facility. Initially regulated under wastewater regulations (Permit # 7290), the ash basin was later reclassified as a solid waste landfill. In 2004, it was permitted as a Class Two Industrial Waste Landfill.

Figure 1. Map of approved SWPPPs S-5 and S-6



Figure 1. Map of waste units near SWPPPs S-5 and S-6



The primary contaminant of concern is coal ash, which historically contains silica, alumina, iron oxide, calcium, mercury, cadmium, arsenic, and trace amounts of other heavy metals. Outside the basin, the land features areas of exposed ash and soil, while much of the site is covered by

dense vegetation. Vegetation was cut prior to surveying activities to establish elevation and boundary conditions..

3. O&M ACTIVITY

A. O&M Activity Description

The planned soil-disturbing activities within the buffer zone of F-Area Ash Basin SEA 276 encompass various land-disturbance tasks. These include the installation of sediment and erosion control measures, topsoil removal, demolition and removal, earthwork, excavation, backfilling, compaction for utility services, storm drainage, removal of concrete slabs, miscellaneous concrete sitework, and grassing. The maximum depth of disturbance is 9 feet in S-6 and 14.25 feet in S-5.

Activities in areas S-5 and S-6 began in July 2021. Should any significant changes to this work scope occur, the SRNS On-Scene Coordinator (OSC) will be consulted to determine if modifications to the O&M Plan are necessary.

Note: In January 2026, coal ash was encountered inside the 200-foot barrier of the 288-1F coal ash basin during auger activities associated with the installation of light poles as part of S-6 work activities. Any coal ash discovered during the process was returned to the excavation site following proper handling procedures.

B. O&M Activity Sampling and Monitoring for Health and Safety

Worker health and safety will be described and controlled, as required, in the work package, and the Assisted Hazards Analysis (AHA).

C. Health and Safety Plan

The health and safety concerns involve worker exposure to contaminants of interest listed in Area Description and Conditions above.

The Work Order and/or AHA for these activities will contain instructions to comply with this plan.

The safety requirements and personal protective equipment described in these documents is appropriate for the potential hazards of the waste units.

D. Characterization and Sampling Plan for the Affected Area within SEA 276

No characterization or sampling plan will be required.

E. Contaminated Materials Management and/or Disposal

If any questionable or unknown material is encountered during excavation activities, contact RPD for guidance.

F. Environmental Plans and Permit Modification Requests

The soil disturbing aspect of this task is not expected to involve environmental plans/permits or other required maintenance and inspections.

The Site Use/Site Clearance Permit process has been completed for this activity.

4. CONTINGENCY PLAN

If at any time during the implementation of the activity, the conditions change, such that the activity is no longer considered “minor” (is greater than 10% of a waste unit area impacted or disturbed) or any other unanticipated event occurs, the Facility Operations Manager or the ECA shall:

- Immediately notify the SRNS-OSC. The SRNS-OSC will notify the DOE-OSC.

- Contain and stabilize the area, investigate as necessary to determine the necessary change in the activity plan, secure the area and stop work.

- Update the SRNS-OSC as to the findings and the requested path forward. The SRNS-OSC will communicate the information to the DOE-OSC and obtain concurrence on the path forward.

5. DOCUMENTATION & REPORTING

The SRPPF ECA will transmit the following close-out documentation to the SRNS-OSC by the 20th day of the month following the month that the land disturbing activity was completed:

- the signed O&M Plan,

- any sampling and characterization data collected,

- quantity of contaminated materials generated, and

- treatment, storage, and disposal location of contaminated material.

References

WSRC-RP-96-45, Savannah River Site Plan for Performing Maintenance in Federal Facility Agreement Area (O&M) Plan (U), December 15, 1996.

WSRC-OS-94-42, Federal Facility Agreement for the Savannah River Site, August 16, 1993.