Minor
OPERATION AND MAINTENANCE
Activity Plan

SRPPF Northwest Parking Lots
RCRA/CERCLA Unit 105 and 563

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1. INTRODUCTION

This Operation and Maintenance (O&M) Plan for the SRPPF Northwest Parking Lots project will provide a means by which soil/media disturbance can commence within 200 feet of RCRA/CERCLA Unit 105 and within 20 feet of RCRA/CERCLA Unit 563 while protecting human health and the environment and minimizing impacts to long term characterization and remediation efforts. This O&M Plan is characterized as "minor intrusive" because less than 10 percent of the Site Evaluation Area (SEA) will be disturbed.

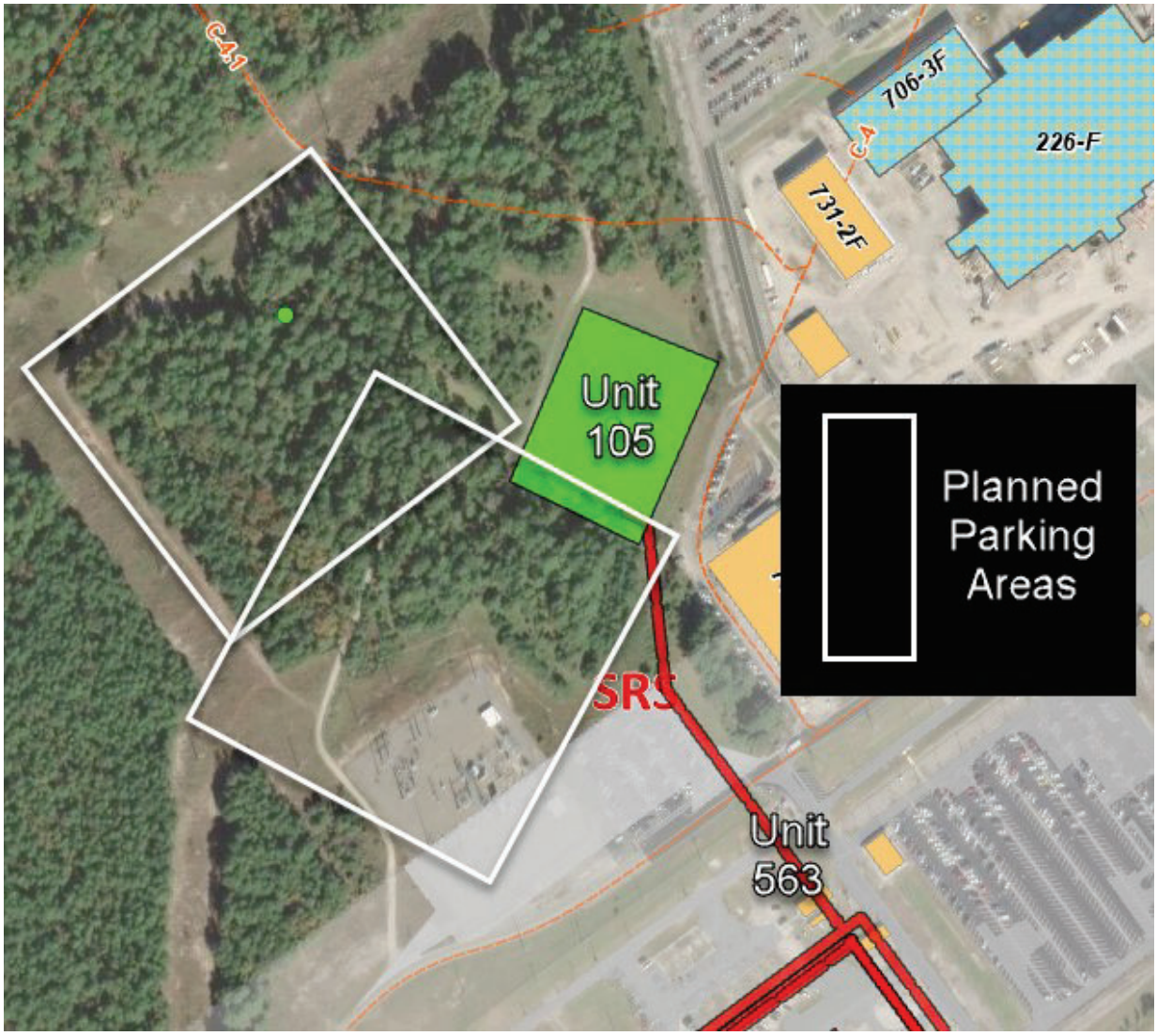
2. AREA DESCRIPTION AND CONDITIONS

The SRPPF project requires an increased number of personnel working in F-Area. To support the increased number of personnel, parking lots will be installed to the northwest of 706-2F.

The planned parking lot installation disturbs land within 200 feet of the Old F-Area Seepage Basin (904-49G, Unit 105) and within 20 feet of the F-Area Process Sewer Lines (Unit 563). See figure 1 on page 3 for the general areas that the parking lots will be installed.

The Old F-Area Seepage Basin (Unit 105) was subject to many discharges from the F-Area separations canyon. The primary contaminants of concern from the former seepage basin are radionuclides that are being managed in place under a soil-based cover system. The F-Area Process Sewers have several radioactive nuclides that are constituents of concern. Safety and health concerns are primarily from personnel exposure to radionuclides.

Figure 1. Map of planned parking lot areas



3. O&M ACTIVITY

A. O&M Activity Description

The planned soil disturbing activity in the buffer zone of RCRA/CERCLA Units 105 and 563 involves minor disturbance to install parking lots. Activities include clearing and grubbing, topsoil removal, demolition and removal, erosion and sediment control, riprap, earthwork, excavation, backfilling, and compaction for utility services, aggregate base, site water distribution, storm drainage, asphalt concrete pavement, miscellaneous sitework concrete, grassing, reinforcing for concrete pavement, and installing Portland

cement concrete pavement. The maximum depth of disturbance for the parking lot will be 40 feet at drainage inlet B-4.

This activity is expected to begin in October 2025 and complete by February 2026. If this work scope requires significant change for any reason, the SRNS On-Scene Coordinator (OSC) will be contacted to determine if modifications to this O&M Plan are required.

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

Radiological Protection (RP) will monitor the water and/or soil removal activities for radioactive contamination per their standard procedures. If radiological contamination is encountered, RP will determine if protective equipment and personnel access restrictions are required.

The work area will be barricaded with rope or rigid handrail to ensure that access is controlled. This is due to personnel safety around the work area.

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 concern for this O & M Plan primarily involves worker exposure to potential radiological contaminants. RP shall be available for any questions or oversight requested during the land disturbance process.

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 105

RP will create a sampling plan and characterization of any waste generated will be completed by the ECA.

E. Contaminated Materials Management and/or Disposal

If all SEA soil/media are determined to be "clean" by RP, normal waste disposal practices may be applied, as determined by SRPPF ECA. If soil/media are determined to be contaminated, contact SRPPF ECA for further 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.