Minor
OPERATION AND MAINTENANCE
Activity Plan
Replace Asphalt in Parking Lot North of 221-H
October 10, 2024

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1. INTRODUCTION

This Operations and Maintenance (O&M) Plan is for the replacement of asphalt in the parking area north of 211-H. Construction to excavate the existing stone backfill material and install fresh asphalt. The area to be excavated and asphalted is approximately 50 feet by 60 feet. All work scope in this task is GS.

The excavation will be within or adjacent to CERCLA Unit SI 142 & 591 (Reference 1).

The soil excavation for these activities will not exceed 10 percent of the surface area, excluding structures of the unit. The plan is characterized as a "minor intrusive activity" based on the soil excavation meeting the definition of both "minor" and "intrusive" as defined in Reference 2.

2. AREA DESCRIPTION AND CONDITIONS

The location of the work and excavation areas are shown on the map provided in Attachment 1.

For a discussion of the Site Index, see "Revision 0 for Appendix C for Fiscal Year 2022" of Reference 1. SI 142 & 591 is in the Federal Facility Agreement because of possible radiological or chemical contamination from past releases from Site operations. To date there has been no remediation of these units, and the status of the units is inactive.

3. O & M ACTIVITY

A. O&M Activity Description

The scope of the activity is to excavate to a maximum depth of one foot to install asphalt in the parking area. Workers will hand excavate to reveal all known/unknown Systems, Commodities, and Utilities (SCU) in compliance with Manual 8Q, Procedure 34 (Reference 3). Hand digging and probing will occur within six feet of each side of the expected SCU or to the excavation buffer zone (whichever is less) and to a depth of one foot below the expected SCU or one foot below the expected excavation (whichever is greater). Mechanical excavation will then be used to excavate the required soil. Workers will adhere to a one-foot buffer zone rule when using mechanical means to excavate. If excavation meets five feet, work will stop for additional slope review.

Rad Protection will sample the soil prior to excavation and adhere to Soil Contamination Area Posting Limits found in Manual 5Q, Chapter 2 (Reference 4).

A GPR survey for underground interferences and an Excavation Checklist (OSR 18-125) will be completed per Work Order.

Work is expected to take one month.

THE DISPOSAL OF ANY CONTAMINATED SOIL WILL BE PER THE ENVIRONMENTAL COMPLIANCE AUTHORITY (ECA) AND RADIOLOGICAL PROTECTION (RP) DIRECTION. IT IS ANTICIPATED EXCAVATED SOIL WILL BE RETURNED TO ITS ORIGINAL LOCATION UPON TASK COMPLETION.

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

The identified units are in the FFA because of possible radiological contamination from past releases from Site operations.

Radiological surveys will be required at the excavation site within the buffer zone. If radiological contamination is encountered, Rad Protection will determine if protective equipment and/or personnel access restrictions are required.

The work area will be barricaded with rope or rigid handrail to ensure that access is controlled for personnel safety around the work area. Worker health and safety will be directed and controlled as required in the work package and Assisted Hazard Analysis (AHA).

C. Health and Safety Plan

The health and safety concerns involve worker exposure to unknown waste material that could be excavated. The work will be completed in accordance with the requirements stated in the AHA. The safety requirements and personal protective equipment described in the AHA are appropriate for the excavation work.

D. Characterization and Sampling Plan for the Affected Area within the Unit

No characterization samples will be required.

E. Contaminated Materials Management and/or Disposal

Radiological contamination could be present in the excavated soil. All waste will be disposed in accordance with guidance from Rad Protection, the Generation Certification Official (GCO), and the ECA. Clean soil will be returned to the excavation once the work is complete or taken to a clean soil staging area.

F. Environmental Plans and Permit Modification Requests

This activity is not expected to involve other environmental plans / permits, required maintenance, and inspections, or erosion control practices.

Stormwater and sediment control shall be managed per SRS Manual 3Q, Procedure 12.2.

4. CONTINGENCY PLAN

During implementation of the activity, if the conditions change at any time such that the activity is no longer considered "minor" (as defined in Reference 2) or any other unanticipated event occurs, the Project Manager, the Project Construction Manager, or the ECA shall:

- Immediately notify the SRNS-OSC. If necessary, the SRNS-OSC will notify the DOE-OSC.
- Stop work, secure the area, contain, and stabilize the area, and determine any necessary change to the activity plan.
- Notify the SRNS-OSC of the findings and proposed path forward. The SRNS-OSC will communicate the information to the DOE-OSC and obtain concurrence on the path forward.

5. DOCUMENTATION & REPORTING

SRTE will transmit the following documentation to the SRNS-OSC within twenty days of the completion of the activity:

- The signed O&M plan
- Any sampling and characterization data collected

The following information is not expected to be generated by this activity, but, if generated, will be forwarded to the SRNS-OSC:

- The quantity (if any) of any contaminated materials generated, and
- The disposal location of any contaminated materials, if generated.

Attachments

Attachment 1. Drawing Showing Excavation Location

Attachment 2. H-04B Outfall Drainage Map with Location of Excavation

References

1. WSRC-OS-94-42, Federal Facility Agreement for the Savannah River Site, Administrative Document Number 89-05-FF, effective August 16, 1993, Revision 0 of Appendix C and Revision 0 of Appendix E for Fiscal Year 2024.

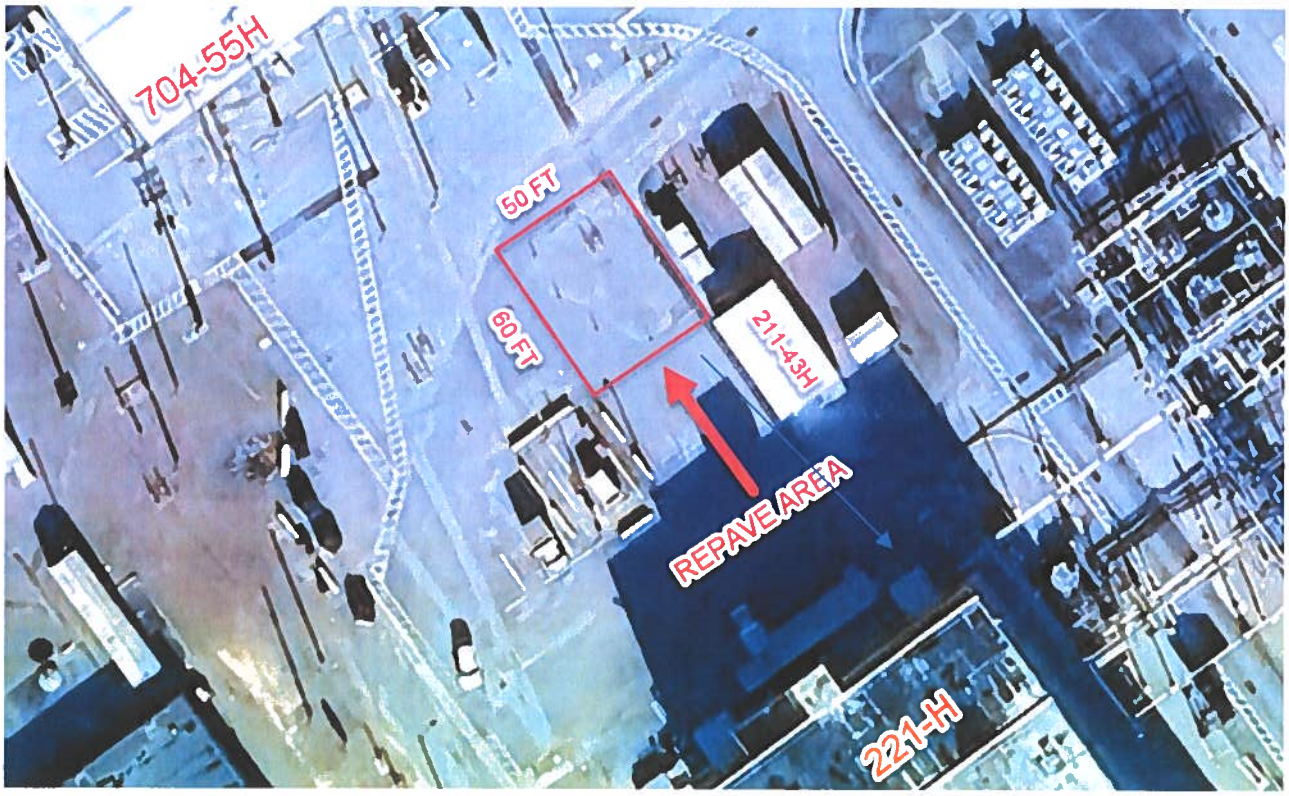
2. WSRC-RP-96-45, *Savannah River Site Plan for Performing Maintenance in Federal Facility Agreement Area (O&M Plan) (U)*, December 15, 1996.

3. Manual 8Q, Procedure 34, Revision 11, *Excavations and Trenches*

4. Manual 5Q, Chapter 2, Revision 17, Radiological Standards

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O&M Plan 2025-001 Rev 0

ATTACHMENT 1
Drawing Showing Excavation Location
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ATTACHMENT 2
H-04B Outfall Drainage Map with Approximate Location of Excavation Site
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