Minor
OPERATION AND MAINTENANCE
Activity Plan

Repair Well Water leak south of 285-H Basin
Site Indices 549 and 591

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1. INTRODUCTION

This Operations and Maintenance (O&M) Plan is for the excavation and repair of an underground well water leak South of 285-H basin.. The work will protect human health and the environment and minimize the impact to long term characterization and remediation efforts. This activity is within Site Index (SI) 549 (General Separations Area Eastern Groundwater Operable Unit, No Building Number (NBN)) of the Federal Facility Agreement (FFA, Reference 1). It is also within 200 feet of SI 591 (H Area Process Sewer Lines as Abandoned, NBN). SIs are also called RCRA/CERCLA Units.

This plan is characterized as "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 area in which the activity will be conducted is within the drainage basin of Industrial Storm Water Outfall H-08. The following large structures are located in this portion of the drainage basin:

- 704-H Office, Shop, and Storage Building
- 707-H Office
- 284-H Powerhouse (Inactive)

For a discussion of the SIs, see "Revision 1 for Appendix C for Fiscal Year 2018" of Reference 1. Due to size, SI 549 is located in the drainage basins of both Upper Three Runs Creek and Four Mile Branch. SI 591 is located in the drainage basin of Four Mile Branch. These SIs are in the FFA because of possible radiological or chemical contamination from past releases from H-Area operations. To date, there has been no remediation of these units; the current status of the units is inactive.

3. O & M ACTIVITY

A. O&M Activity Description

The scope of the activity is to excavate and repair an underground well water leak South of 285-H basin. SRNS Site Utilities forces will perform the work in accordance with the provisions of Asset Suite Work Order #01905761 and AHA #SUD-20246 Rev. 0. The activity occurs within a general SI and adjacent to several identified SIs.

ALL EXCAVATED SOILS WILL BE RETURNED TO THE ORIGINAL LOCATION OF SOIL DISTURBANCE. THE DISPOSAL OF ANY SOIL WILL BE PER THE ENVIRONMENTAL COMPLIANCE AUTHORITY (ECA), GENERATOR CERTIFICATION OFFICIAL (GCO), AND RADIOLOGICAL PROTECTION (RP) DIRECTION.

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 H-Area operations.

Radiological surveys will be required at the excavation site. If radiological contamination is encountered, RP will determine if protective equipment and personnel access restrictions are required.

Worker health and safety will be directed and controlled as required in the Assisted Hazard Analysis (AHA).

C. Health and Safety Plan

The health and safety concerns involve worker exposure to potential radiological contamination. RP shall provide for radiological monitoring during the excavation activities.

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 potential hazards related to the RCRA/CERCLA units.

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

RP has prepared a sampling plan for work in this area and will conduct sampling of the soil excavated during this activity. If unexpected contamination is found, the SRNS On-Scene Coordinator (OSC) may request additional work scope and sampling from soil disturbed by the activity. Material removed as part of the excavation will be returned as backfill when the activity is completed.

E. Contaminated Materials Management and/or Disposal

Based on previous excavations in the vicinity, radiological contamination is not expected in the excavated soil. All waste will be disposed in accordance with guidance from RP, the GCO, and the ECA. Clean soil will be returned to the excavation once the wall leak repair is complete.

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.

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

H Canyon 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 material, if generated.

References

1. SRNS-OS-94-42, Federal Facility Agreement for the Savannah River Site, Administrative Document Number 89-05-FF, effective August 16, 1993, Revision 1 of Appendix C and Revision 0 of Appendix E for Fiscal Year 2018.

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

3. Assisted Hazard Analysis (AHA) #SUD-20246 Rev. 0 .

4. Asset Suite Work Order #01905761-01.