MINOR OPERATION AND MAINTENANCE ACTIVITY PLAN

Excavate/Expose Leak on the Neutralizing Discharge Line at 723-A – Site Index 562

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1. INTRODUCTION

This Operation and Maintenance (O&M) Plan is for the excavation and repair of the neutralizing discharge line at 723-A. 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) 562 (A-Area Process Sewer Lines as Abandoned, NBN) of the Federal Facility Agreement (FFA, Reference 1). 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. Due to the size of SI 562 where the excavation is located, it is not anticipated that this classification could change.

2. AREA DESCRIPTION AND CONDITIONS

The area in which the activity will be conducted is a 5ft x 5ft square in the northern portion of building 723-A. The location of the repair to be completed is shown as a green dot on Attachments 1 and 2. Attachment 1 shows approximate location for SIs 562 as a red area.

Contaminants of interest near the work area include:

Unit 562 "A-Area Process Sewer Lines As Abandoned, NBN". The Inactive process sewer lines were used to transport contaminated wastewater.

A photo of the actual location is provided in Attachment 4.

3. O & M ACTIVITY

A. O&M Activity Description

The O&M activity involves:

The scope of the activity is to excavate and repair the neutralizing discharge line at 723-A. Excavation is expected to be approximately 1 to 2 feet. SRNS Site Utilities forces will perform the work in accordance with the provisions of Asset Suite Work Order # 02091227 (Reference 4) and AHA # SUD-22719 Rev. 0 (Reference 3). The activity occurs within a general SI and adjacent to several identified SIs. Work is expected to take no more than 10 days.

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 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.

C. Health and Safety Plan

The health and safety concerns involve worker exposure to contaminants of interest listed in section 2 above.

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

No formal sampling plan will be utilized for work in these areas. Material removed as part of the excavation will be returned as backfill when the job is completed.

Additional work scope and sampling from the soil disturbance areas will be addressed per SRNS-OSC guidance, should contamination be found present.

E. Contaminated Materials Management and/or Disposal

Any waste materials generated during this activity will be disposed of as appropriate. If media (pipe and other waste materials is determined to be "clean," normal work practices would occur. This waste will be managed as appropriate per facility Waste Management and ECA guidance and handled in accordance with existing SRNS waste guidance procedures. Clean soil can be put back in place once the 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

If at any time during the implementation of the activity, the conditions change, such that the activity is no longer considered "minor" (greater than 10% of a waste unit area impacted or disturbed), the Shift Operations Manager (SOM) shall be notified and the Facility Manager (or designee) 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 Project Manager 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.

Attachments

Attachment 1. A-Area Outfall Drainage Map with Approximate Location of Water Leak North of 723-A
Attachment 2. Drawing Showing Approximate Location of 723-A (Green Dot) and Specific Site Indices (Red Areas)
Attachment 3. Aerial Image Showing Location of 723-A (Green Dot)
Attachment 4. Photo Showing Physical Location

References

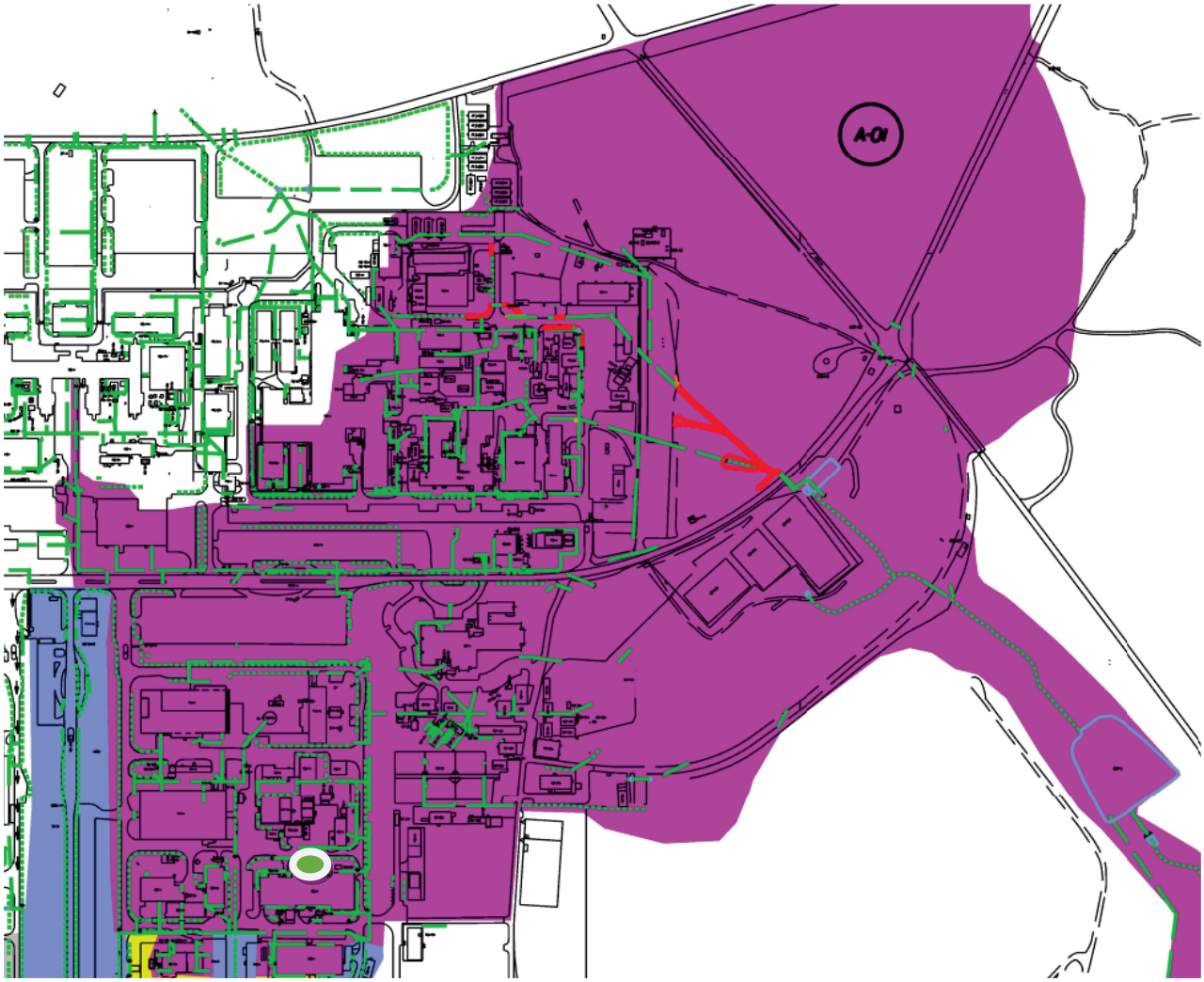
1. SRNS-OS-94-42, Federal Facility Agreement for the Savannah River Site, Administrative Document Number 89-05-FF, effective August 16, 1993, Revision 1 of Appendix C and Revision 0 of Appendix E for Fiscal Year 2018.

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. AHA # SUD-22719 R0: Hand excavate and correct a leak on the Neutralizing Discharge Tank Line outside of 723-A.

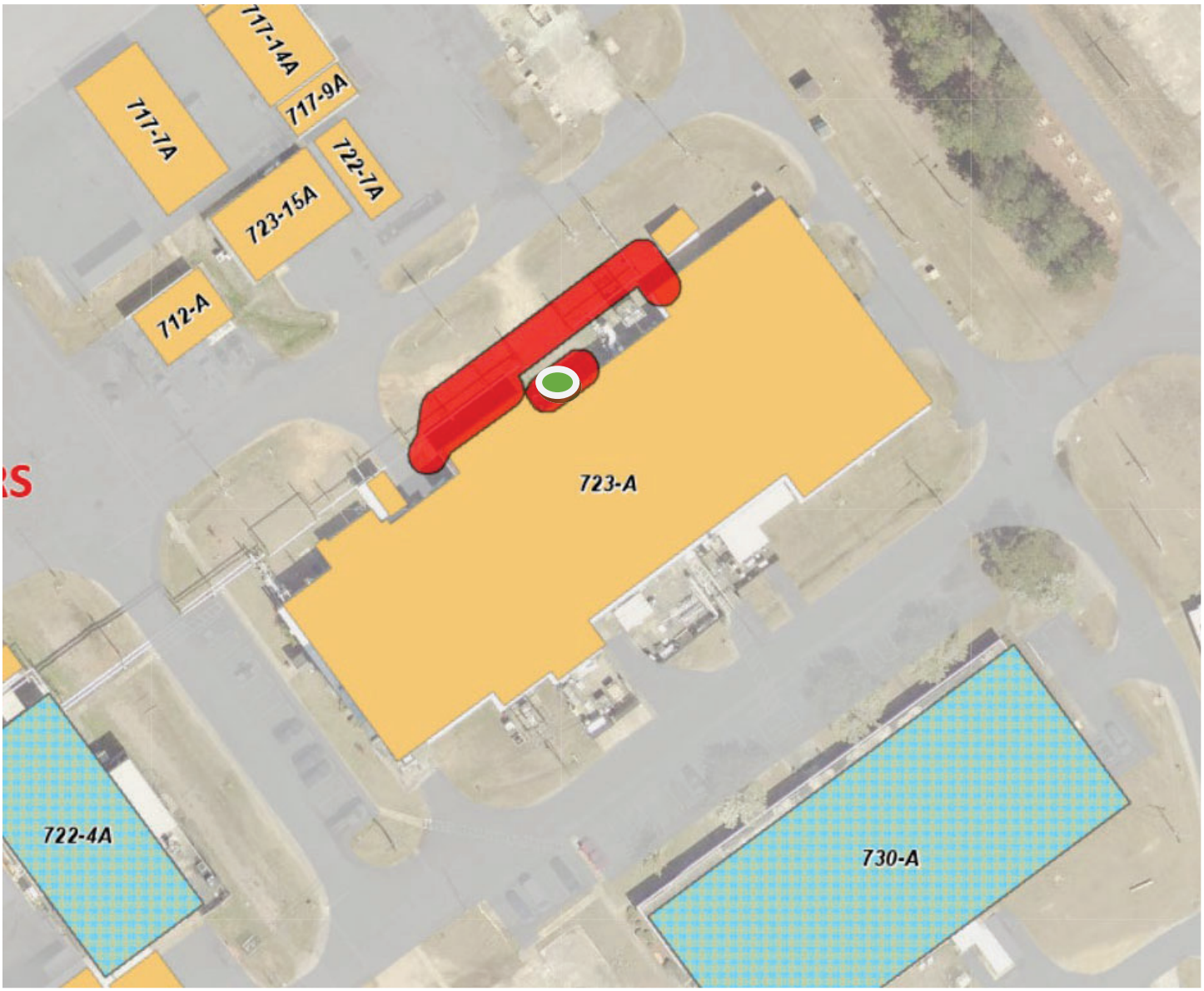
4. WO# 2091227: “Excavate/Expose Leak on the Neutralizing Discharge Line at 723-A.”

Attachment 1. A-Area Outfall Drainage Map with Approximate Location of Domestic Water Leak North of 723-A. Leak shown as a Green Dot



Approximate Repair Site

Attachment 2. Drawing Showing Approximate Location of 723-A Leak (Green Dot) and Specific Site Indices (Red Areas)



Attachment 3. Aerial Image Showing Location of 723-A Leak (Green Dot)



Attachment 4. Photo Showing Physical Location

