MINOR OPERATION AND MAINTENANCE ACTIVITY PLAN

Excavate Around PIV-2183 Near 704-2H to Correct Height – Site Indices 344, 374, 591.

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1. INTRODUCTION

This Operation and Maintenance (O&M) Plan is for the excavation around fire water system PIV-2183 to correct the height near 704-2H. 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) 591 (H-Area Process Sewer Lines as Abandoned, NBN), (SI) 344 (Sandblast Area CHM-001, NBN), and (SI) 374 (Spill on 1/12/87 of < 100 Gm of Mercury North of 211-H, 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.

2. AREA DESCRIPTION AND CONDITIONS

The area in which the activity will be conducted is located southeast of 704-2H. The location of the repair to be completed is shown as a yellow square on Attachment 1.

Contaminants of interest near the work area include:

The Sandblast Area CMH-001, NBN SI 344, east of 221-H (A-Line and 211-H), contains constituents of concern pertaining to lead and chromium. SI 591 includes inactive process sewer lines that were used to transport contaminated wastewater (hazardous and low-level radioactive) from the outside facilities areas to the H-Area seepage basins. The SI is in the FFA because of the possible radiological or chemical contamination from past releases from H-Area operations. They were used from startup in 1955 until 1982. Constituents of concern may include Cs 137, Sr 90 and U 238. SI 374, spill on 1/12/87 of < 100 GM of mercury north of 211-H, contains constituents of concern pertaining to mercury.

3. O & M ACTIVITY

A. O&M Activity Description

The O&M activity involves:

The O&M activity is excavating around fire water system PIV-2183 near 704-2H to correct the height. The work will be performed in accordance with the provisions of Asset Suite Work Order # 02178916-01 (Reference 4) and AHA # SUD-23666 Rev. 0 (Reference 3).

All excavated soils will be returned to the original location of soil disturbance. If any soil cannot be returned to its original location, then the soil should be placed as close to the original location as reasonably possible. 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 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

RP may prepare a sampling plan for work in this area and will conduct sampling of the soil 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 project will be returned as backfill when the activity is completed.

E. Contaminated Materials Management and/or Disposal

Any waste materials generated during this activity will be disposed of as appropriate. 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 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. Aerial Image of location of work
Attachment 2. Aerial Image of Waste Unit ID 591
Attachment 3. Aerial Image of Waste Unit ID 374
Attachment 4. Aerial Image of Waste Unit ID 344
Attachment 5. Image of PIV-2183

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-23666, Excavate to remove soil from around PIV-2183 located Southeast of 704-2H to adjust PIV housing to required height.

4. Asset Suite WO # 02178916-01, Excavate Around PIV-2183 Near 704-2H to Correct Height.

Attachment 1. Aerial Image of location of work



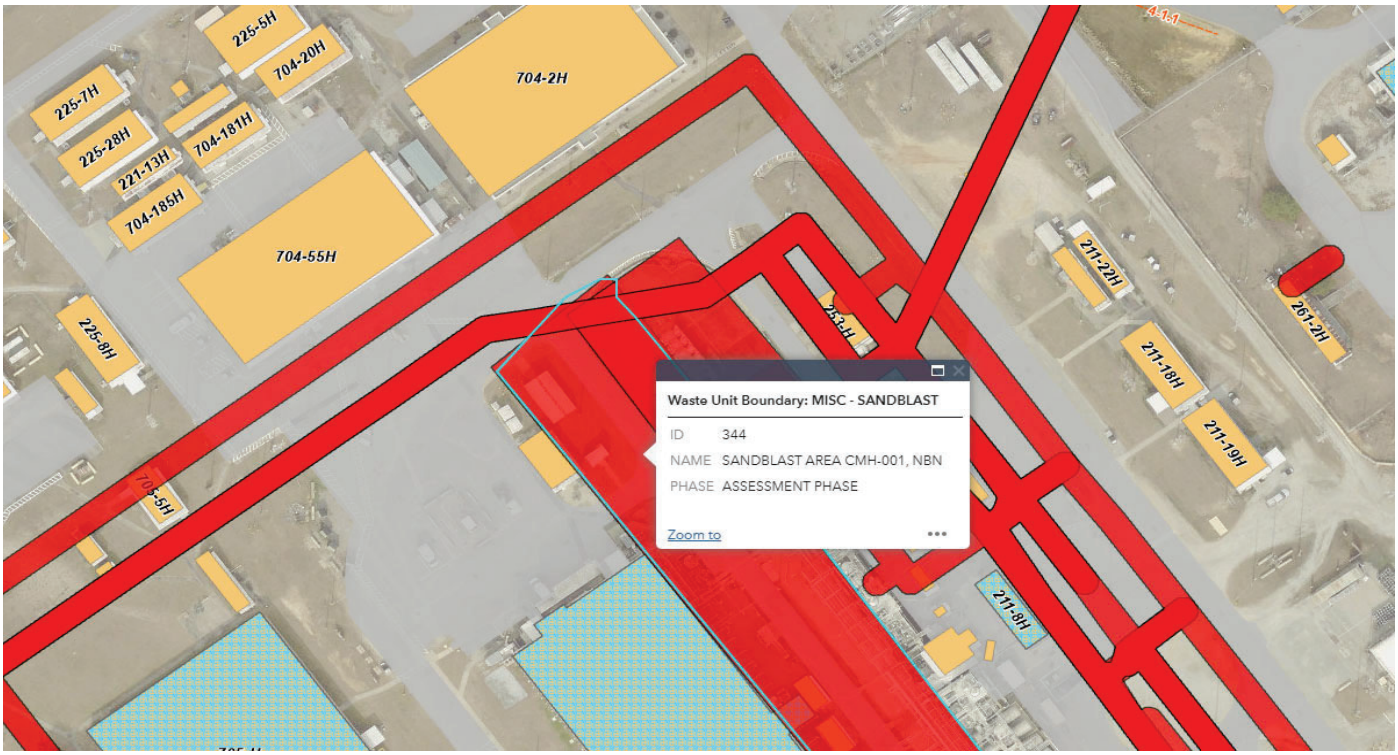
Attachment 2. Aerial Image of Waste Unit ID 591



Attachment 3. Aerial Image of Waste Unit ID 374



Attachment 4. Aerial Image of Waste Unit ID 344



Attachment 5. Image of PIV-2183

