Minor
OPERATION AND MAINTENANCE
Activity Plan

ISOLATE DOMESTIC WATER SUPPLY TO 238/238-1H FOR D&R

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1. INTRODUCTION

This Operations and Maintenance (O&M) Plan is for the isolation of the domestic water supply to 238/238-1H in preparation of D & D of these buildings.

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). The meter box is located between Site Index Site Index (SI) 531 (ECODS H-1) and SI 591 (H-Area Process Sewer Lines as Abandoned, NBN). While the meter box is located just outside these two buffer areas, the potential exists for the excavation area to be within the buffer area either of SI 531 or 591.

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 "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 531 and 591 near 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 in the drainage basin of SRTE Industrial Wastewater Outfall H-02 (Attachment 3). The approximate location of the meter box, SI 531, and SI 591 are shown on Attachment 2.

For a discussion of the SIs, see "Revision 0 for Appendix C for Fiscal Year 2020" of Reference 1. The location of the work is shown on Map provided in Attachment 1. SI 531, 549 & 591 are in the FFA because of possible radiological or chemical contamination from past releases from Site operations. To date, there has been no remediation of these units; the current status of the units is inactive. Per Appendix E of Reference 1, Remedial Actions are scheduled to begin in May 2047 for SI 549 and April 2043 for SIs 531 & 591.

3. O & M ACTIVITY

A. O&M Activity Description

The scope of the activity is to isolate the domestic water supply to 238/238-1H in preparation for D & D of these buildings.

The Exact location for the isolation point will be determined following completion of the Ground Penetrating Radar scans and removal of soil cover.

Work Order (Ref.5) requires GPR survey for underground interferences and an Excavation Checklist (OSR 18-125).

Work is expected to take 1 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, RP 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.

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

Material removed as part of the excavation will be returned as backfill when the job is completed. If any unknown waste material is excavated as part of this repair, Timeout will be taken and the Shift Operations Manager (SOM), Environmental Compliance Authority (ECA) and the Maintenance/ Site Service Manager will be notified until the Timeout is resolved.

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 Generation Certification Official (GCO), and the ECA. Clean soil will be returned to the excavation once the work is complete.

F. Environmental Plans and Permit Modification Requests

There were no new permits identified in the Environmental Evaluation Checklist (EEC) SRTE-H-2025-00052 “Deactivation of Building 237-H/238-H”

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 Approximate Location of 238-H meter box.

Attachment 2. Map showing the Site Indices 531 "ECODS H-1"; 591 "H-AREA PROCESS SEWER LINES AS ABANDONED, NBN"; and Approximate Location of 238-H meter box.

Attachment 3. H-02 Outfall Drainage Map with Approximate Location of 238-H Meter Box

Attachment 4. Map showing the Site Indices 549, General Separations Area Eastern Groundwater Operable Unit

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 0 of Appendix C and Revision 0 of Appendix E for Fiscal Year 2020.

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. SRS Manual 8Q Procedure 34, Revision 14 "Excavations, Trenches, and Ground Penetrations"

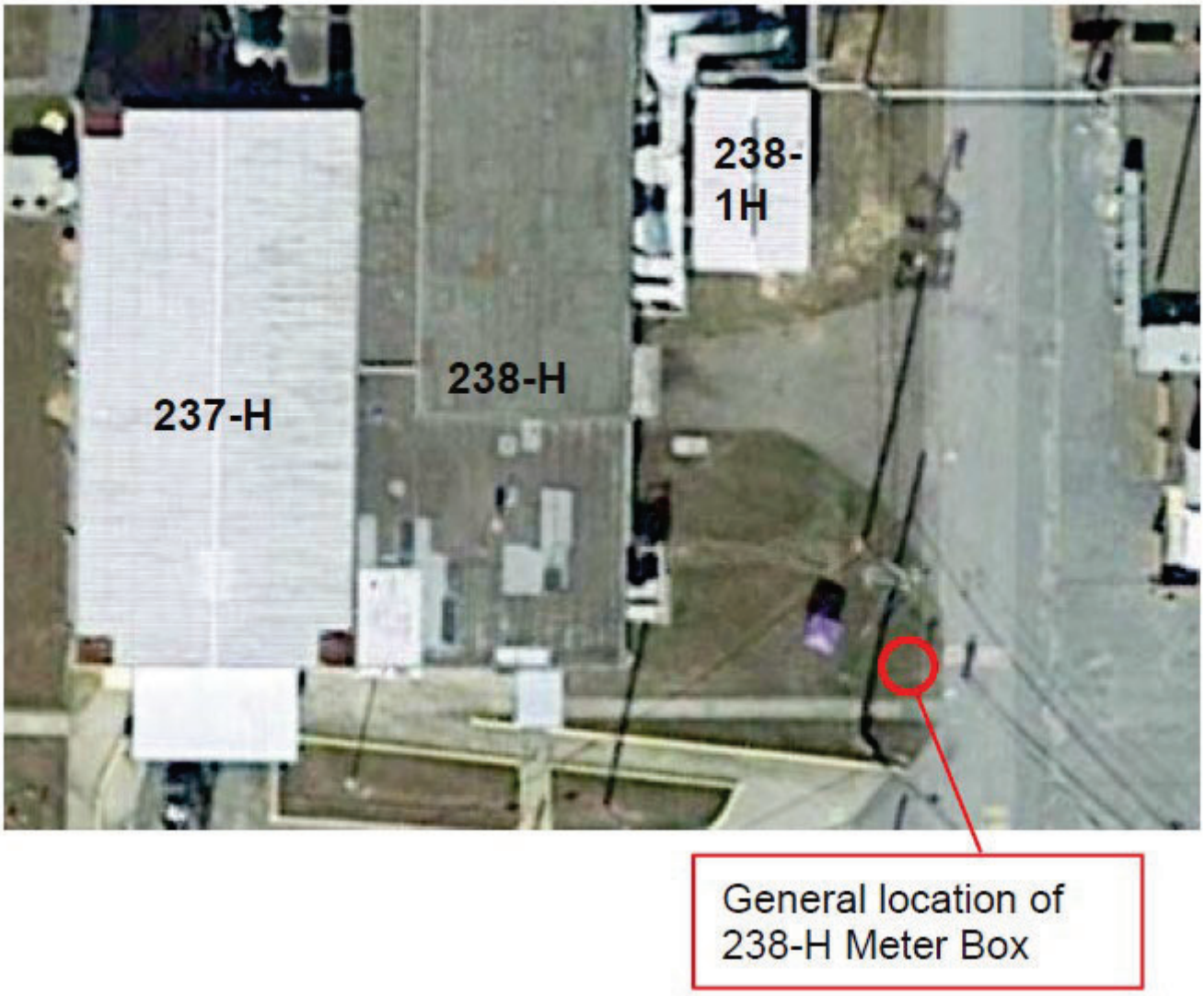
4. P-PA-H-8776 R/2 “Area 200-H Process Sewer Routing Plan & Details”

5. Work Order No: 01801595 – 01 “ISOLATE DOMESTIC WATER SUPPLY TO 238/238-1H FOR D&R”

6. M-DCF-H-13675 “Isolate Domestic Water Supply to 238-H & 238-1H for D&R”

7. EEC # SRTE-H-2025-00052 “Deactivation of Building 237-H/238-H”

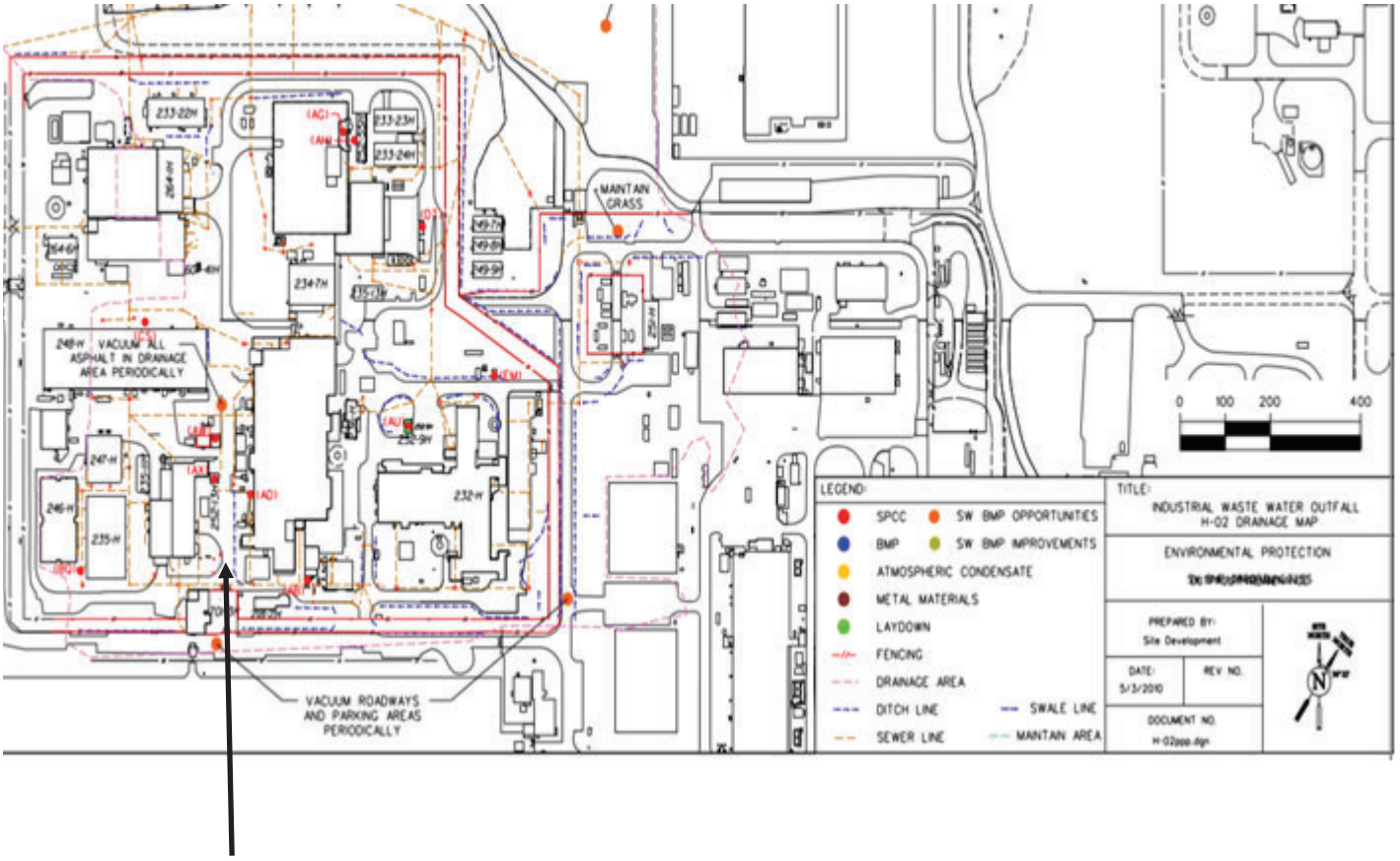
Attachment 1. Drawing Showing Approximate Location of 238-H meter box.



Attachment 2. Map showing the Site Indices 531 "ECODS H-1"; 591 "H-AREA PROCESS SEWER LINES AS ABANDONED, NBN"; and Approximate Location of 238-H meter box.



Attachment 3. H-02 Outfall Drainage Map with Approximate Location of 238-H Meter Box



General location of 238-H Meter Box

Attachment 4. Map showing the Site Indices 549, General Separations Area Eastern Groundwater Operable Unit

