Minor

OPERATION AND MAINTENANCE

20-005

Activity Plan

H AREA
901-H SEGREGATION VALVE PIT
RACEWAY INSTALLATIONS

RCRA/CERCLA WASTE UNIT(S) 549 and 591

INSTALLATION PER WORK ORDER NO: 1823599

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Environmental Compliance Authority
01-05-2021
Date

Approved by: William E. Bartlett
Generator Certification Official
1-5-21
Date

Approved by:
Construction Discipline Engineer
1-5-2021
Date

1.0 Introduction

This Operation and Maintenance (O&M) Plan is for the excavation of soil in two separate areas for the installation of two 4" PVC underground electrical conduits to provide power and controls to H-Canyon's Segregation Valve Pit (901-H). The 1st section will be installed between Monitoring House (281-6H) and existing Support Pole #46. The 2nd section will be installed between Support Pole #41 and the Seg. Valve Pit (901-H).

The O&M Plan documents the guidance by which specific soil excavations are to be performed within this underground radioactive materials area (URMA). This plan will document the absence of hazards that would impact human health and the environment. This O&M Plan is defined as a "minor intrusive activity" based on the soil excavations meeting the definition of both "minor" and "intrusive" as defined in the SRS Operation and Maintenance Plan. This activity can be done per the WSRC-RP-96-45 "Plan for Performing Maintenance in Federal Facility Agreement Areas."

2.0 Area Description and Conditions

URMA	Contaminants*	Assessment Status
549	General Separations Area Eastern Groundwater Operable Unit, NBN	Pending
591	H Area Process Sewer Lines as Abandoned, NBN	Pending

3.0 O&M Activity

A. O&M Activity Description

Construction personnel will excavate soil in 2 locations to create duct bank trenches allowing for the placement of electrical conduit. Both excavations will be a minimum depth of 34'' to a maximum depth of 36'' with a minimum width of 24" to a maximum width of 26". The first trench will be between Monitoring House (281-6H) and existing Support Pole #46. The 2nd section trench will be between Support Pole #41 and the Seg. Valve Pit (901-H). Both trenches will be encased in concrete after the conduit installation.

ALL EXCAVATED SOILS WILL BE RETURNED TO THE ORIGINAL LOCATION OF SOIL DISTURBANCE. THE DISPOSAL OF ANY SOIL WILL BE PER THE ENVIRONMENTAL COMPLAINCE AUTHORITY (ECA) AND GENERATOR CERTIFICATION OFFICAL (GCO).

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

Soil sampling will be conducted in accordance with 5Q1.2 Procedure 485 and Construction's Soil Sampling Plan (WO #1823599): results will be attached to this plan. Safety glasses and work gloves will be worn. Normal RCO coverage will be provided as determined by RCO.

C. Health and Safety Plan (HASP)

A Health and Safety Plan may not be required due to the absence of chemical or radiological hazards to personnel. Radiological Control personnel will make a PPE determination after the radiological screening.

D. Characterization and Sampling Plan for the Affected Area

Previous sampling campaigns (LEU Loading Project and Utility Pole Replacement Project, O&M 04-005) have not shown indications of chromium, lead, or beta-gamma contamination.

E. Contaminated Materials Management and/or Disposal

Soil that is not used for backfilling in the excavation area will be disposed of in accordance with ECA or GCO guidance.

F. Environmental Plans and Permit Modification Requests

An Environmental Evaluation Checklist will be performed for this activity. No permit modifications will be required as a result of this activity. Standard erosion control measures and storm water management (i.e. hay bales) will be used if required.

4.0 Contingency Plan

The Environmental Compliance Authority (ECA) shall be notified if at any time during the implementation of these activities, the conditions change such that any activity is no longer considered "minor" or any other unanticipated event occurs. The ECA shall then take the following actions:

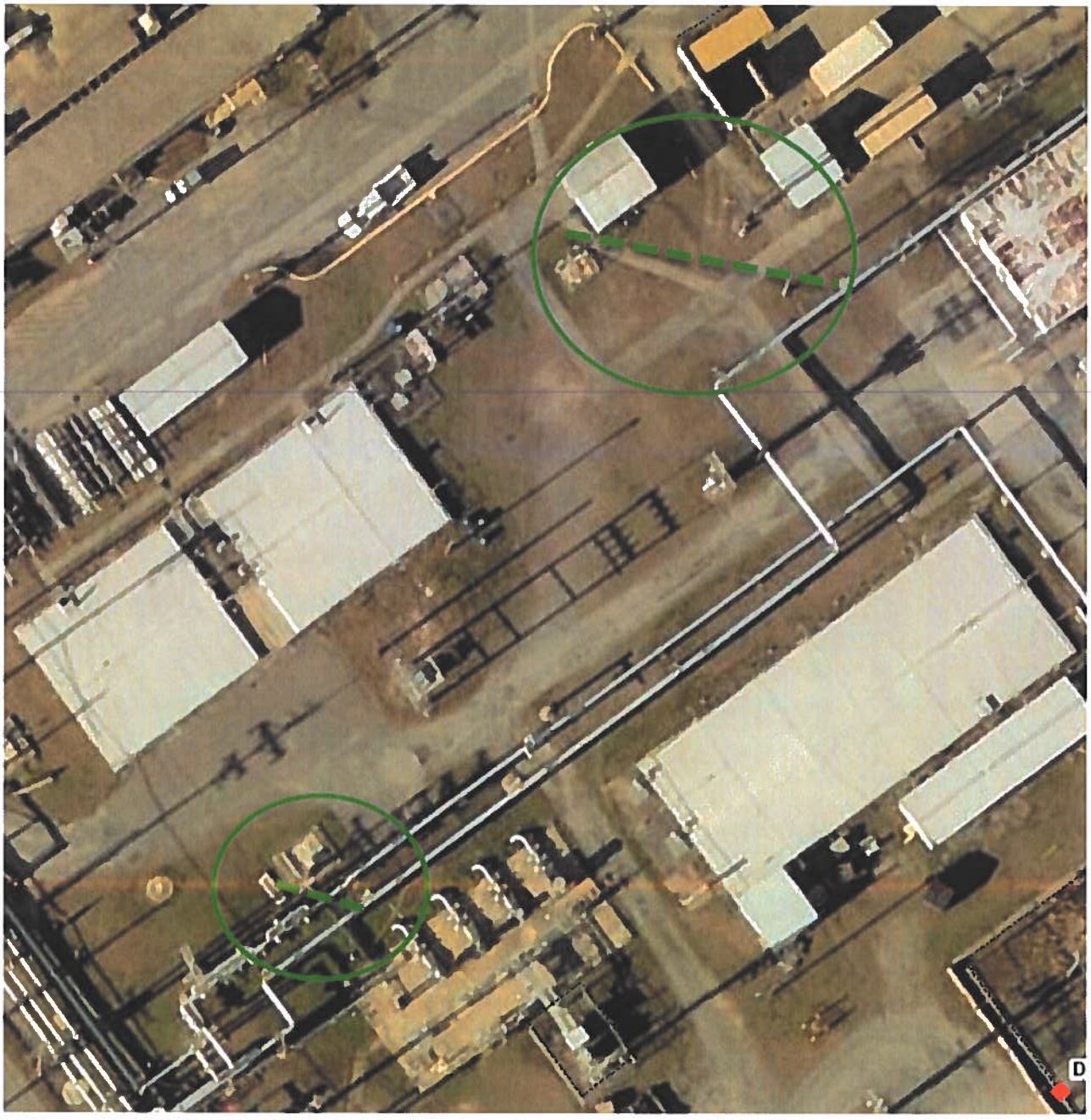
- Immediately notify the SRNS-OSC. The SRNS-OSC will notify the DOE-OSC.
- Contain and stabilize the area, investigate as necessary to determine the necessary change in the activity plan, secure the area and stop work.
- Update the SRNS-OSC as to the findings and the requested path forward. The SRNS-OSC will communicate the information to the DOE-OSC and obtain concurrence on the path forward.

5.0 Documentation and Reporting

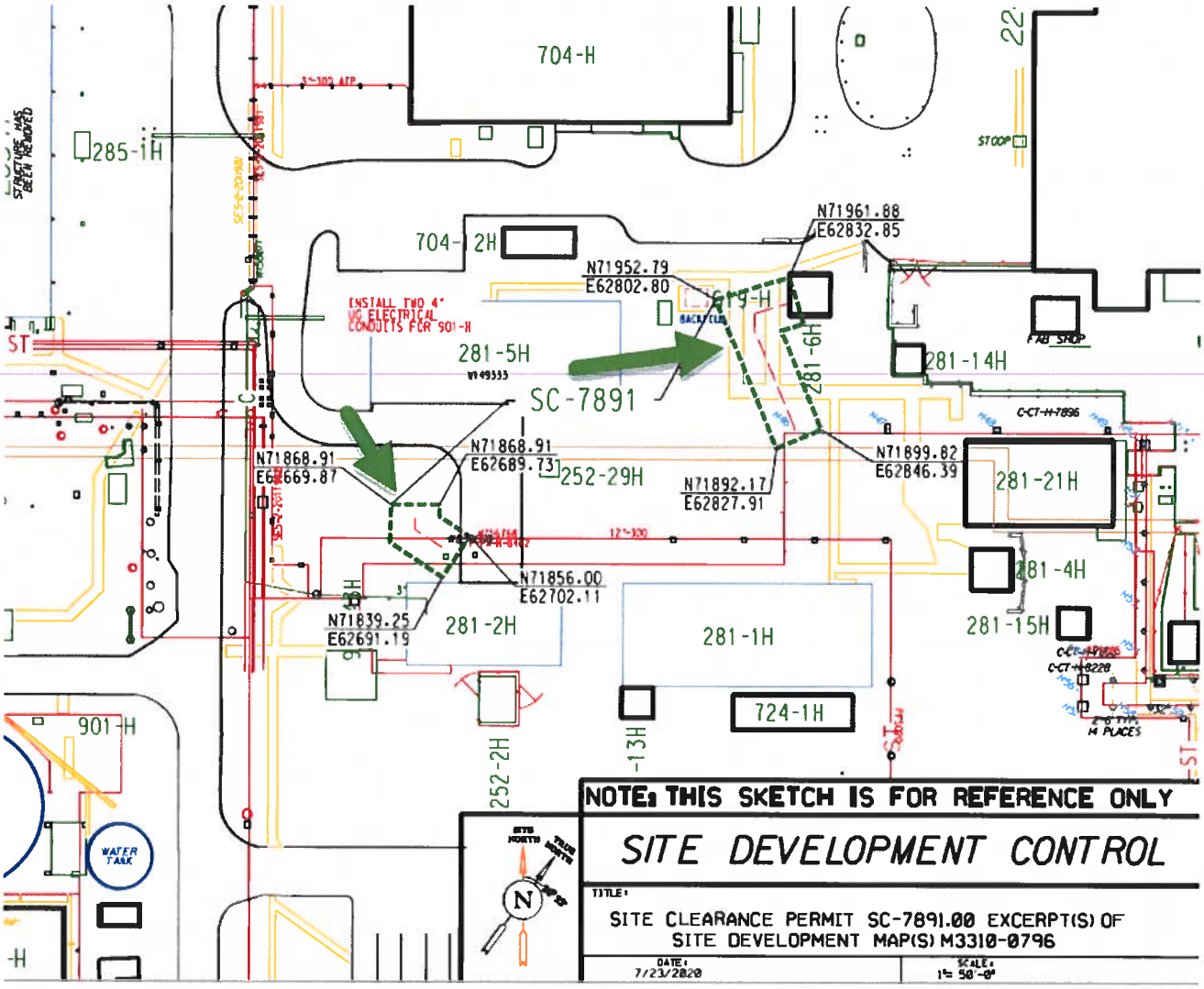
The Construction Discipline Engineer will maintain the documentation listed below with the work package until task completion. Upon completion, the following will be transmitted to the O&M SME:

- The signed O&M Plan,
- Any sampling and characterization data collected,
- Quantity of contaminated materials generated, and
- Storage and disposal location of contaminated materials.

Aerial View of Excavation Locations



Site Clearance Map
Excavation Locations



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 for Fiscal Year 2019.

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. Asset Suite Work Order No: 01823599