



**Department of Energy**  
Savannah River Operations Office  
P.O. Box A  
Aiken, South Carolina 29802

**JUL - 2 2025**

Ms. Susan B. Fulmer, P. G., Manager  
Federal Remediation Section  
Division of Site Assessment, Remediation and Revitalization  
Bureau of Land and Waste Management  
South Carolina Department of Environmental Services  
2600 Bull Street  
Columbia, South Carolina 29201

Mr. Jon Richards  
Savannah River Site Remedial Project Manager  
Superfund and Emergency Management Division  
U. S. Environmental Protection Agency, Region 4  
61 Forsyth Street, SW  
Atlanta, Georgia 30303

Dear Ms. Fulmer and Mr. Richards:

**SUBJECT:** Facility Decommissioning Evaluation Building 720-F, Central Alarm Station (G-FDE-F-00062, Revision 2, June 19, 2025) Simple Model and Savannah River Site's Responses to the Regulatory Comments on the Revision 1 Document

The U. S. Department of Energy (DOE) is submitting the subject information for your review and approval. The Savannah River Site (SRS) submitted the Facility Decommissioning Evaluation (FDE) for Building 720-F, Central Alarm Station (G-FDE-F-00062, Revision 1, January 16, 2025) on March 12, 2025. The South Carolina Department of Environmental Services (SCDES) and U. S. Environmental Protection Agency (EPA) provided comments on the Revision 1 FDE in their letters April 25, 2025, and April 28, 2025, respectively. The SRS emailed the draft responses to SCDES and EPA on May 22, 2025. The SCDES and EPA replied on June 4, 2025, and June 11, 2025, respectively, that the responses to their comments were acceptable. The final SRS' responses to the regulatory comments were incorporated into the Revision 2 FDE.

Please review the enclosures with the goal of responding within thirty (30) days of receipt. The effort and time that the SCDES and EPA have given on the subject facility are greatly appreciated.

Ms. Susan Fulmer  
Mr. Jon Richards


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Questions from you or your staff may be directed to me at (803) 952-6211, or the DOE Program Manager, Mr. Khari Bell, at (803) 679-7086.

Sincerely,

**MATTHEW  
BAKER**

 Digitally signed by MATTHEW  
BAKER  
Date: 2025.07.02 12:44:56 -04'00'

Matthew R. Baker  
Acting FFA Remedial Project Manager  
DOE-Savannah River Operations Office  
Remediation, Deactivation, and Decommissioning Division

RDDD-25-150

Enclosures:

1. Facility Decommissioning Evaluation Building 720-F, Central Alarm Station (G-FDE-F-00062, Revision 2, June 19, 2025)
2. SRS Responses to South Carolina Department of Environmental Services Comments on the Facility Decommissioning Evaluation (FDE): 720-F Central Alarm Station, G-FDE-F-00062, Revision 1, January 2025
3. SRS Response to United States Environmental Protection Agency Comment on the Facility Decommissioning Evaluation (FDE): 720-F Central Alarm Station, G-FDE-F-00062, Revision 1, January 2025

cc w/o encl:

M. Reece, SCDES-Columbia  
H. J. Porter, SCDES-Columbia  
J. Blalock, SCDES-Columbia  
S. French, SCDES-Columbia  
R. G. Stewart, SCDES-Columbia  
M. Mehta, SCDES-Columbia  
T. G. Corley, SCDES-Aiken Environmental Affairs Office  
C. L. Robertson, SCDES-Aiken Environmental Affairs Office  
E. G. Downing, SCDES-Aiken Environmental Affairs Office  
H. L. Herlong, SCDES-Aiken Environmental Affairs Office

cc w/encl:

G. N. O'Quinn, SCDES-Aiken Environmental Affairs Office  
H. H. Cathcart, SCDES-Columbia  
J. Dawson, EPA-Atlanta  
M. McRae, TechLaw, Inc.

**SRS Response to United States Environmental Protection Agency  
Comment on the  
Facility Decommissioning Evaluation (FDE): 720-F, Central Alarm Station,  
G-FDE-F-00062, Revision 1, January 2025,  
Savannah River Site, Aiken, South Carolina**

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**SPECIFIC COMMENT**

1. Process History, Page 11 of 14: The text should discuss where the liquids that drained into the sump located in the diesel generator room were discharged. The text states that all building floor drains discharged to F-Area sanitary sewer system; however, whether the sump discharged to the sanitary sewer system is unclear. Also, the text should discuss why the sump currently contains water (e.g., the sump discharge line was grouted). *Please revise the text to discuss where the sump liquids were discharged to and if the discharge line has been grouted.*

**Response: Agree.**

**The room was built to contain the diesel generator so that if it leaked any fluid, it would flow only to the designed low point of the room where the sump is located. There are no sewer drains in the diesel generator room.**

**The sump does not have a drain connected to any other draining system. The sump has its own discharge line at the bottom that comes up a few feet and then out of the northern wall of the building via a 6-inch drain line that would need to be pumped prior to grouting the sump. The sump currently contains rainwater that entered through the louvered windows of the diesel generator room (i.e., the bottom of the sump was not visible). During the decommissioning process, the rainwater in the sump will be pumped out by mechanical means and sampled to determine the appropriate disposition path.**

**Figure 3 will be revised to label the sump drain. The corrected figure is included at the end of these comment responses.**

**The “Process History” section will be revised as shown below.**

**“The CAS has floor and roof drains as well as a 6-inch walled surrounding structure and sump with its own contained 6-inch capped (not grouted) drain line to contain/capture any fuel leaks from the diesel generator storage tank prior to deactivation. All building floor drains discharge to the F-Area sanitary sewer system (the sanitary sewer was previously grouted), the sump discharges out of the northern side of the building via a pump out and separate collection/disposal, and the roof drains to the storm drain. (Figure 3)**

**There are stains on the concrete slabs (See Figure 3) due to oil spills that occurred during routine maintenance of the diesel generator, air handling units, and the instrument air**

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compressor, but none are due to facility operations. There are also water stains on the concrete slab inside of the ~~lower~~ northeast corner diesel generator room. There are no visible cracks in the building slab. The oil/grease stains will be cleaned with a suitable surfactant during facility decommissioning. Approximately half of the floor space is covered with a raised access/raceway floor and the sump contains rainwater that entered from the louvered windows. ~~That~~ The rainwater will be removed during decommissioning; consequently, these areas cannot be inspected for stains or cracks at this time. These areas will be filled with cementitious material or cut as necessary to prevent water accumulation. This floor space and sump will be inspected for stains and cracks when available, and if necessary, these will be cleaned with a surfactant and/or repaired and then filled with cementitious material during demolition with the results ~~noted~~ documented in the Decommissioning Project Final Report (DPFR).”

The text below will be added to the “Summary of Existing Characterization” to discuss the process for sampling and disposal of the rainwater in the diesel generator sump.

“Contents emptied from the diesel generator sump will be pumped, typically into a 330-gallon tote tank, and characterized before disposition in accordance with the sample results. The disposition path and volume of rainwater will be discussed in the DPFR.”

Waste generated during decommissioning...”

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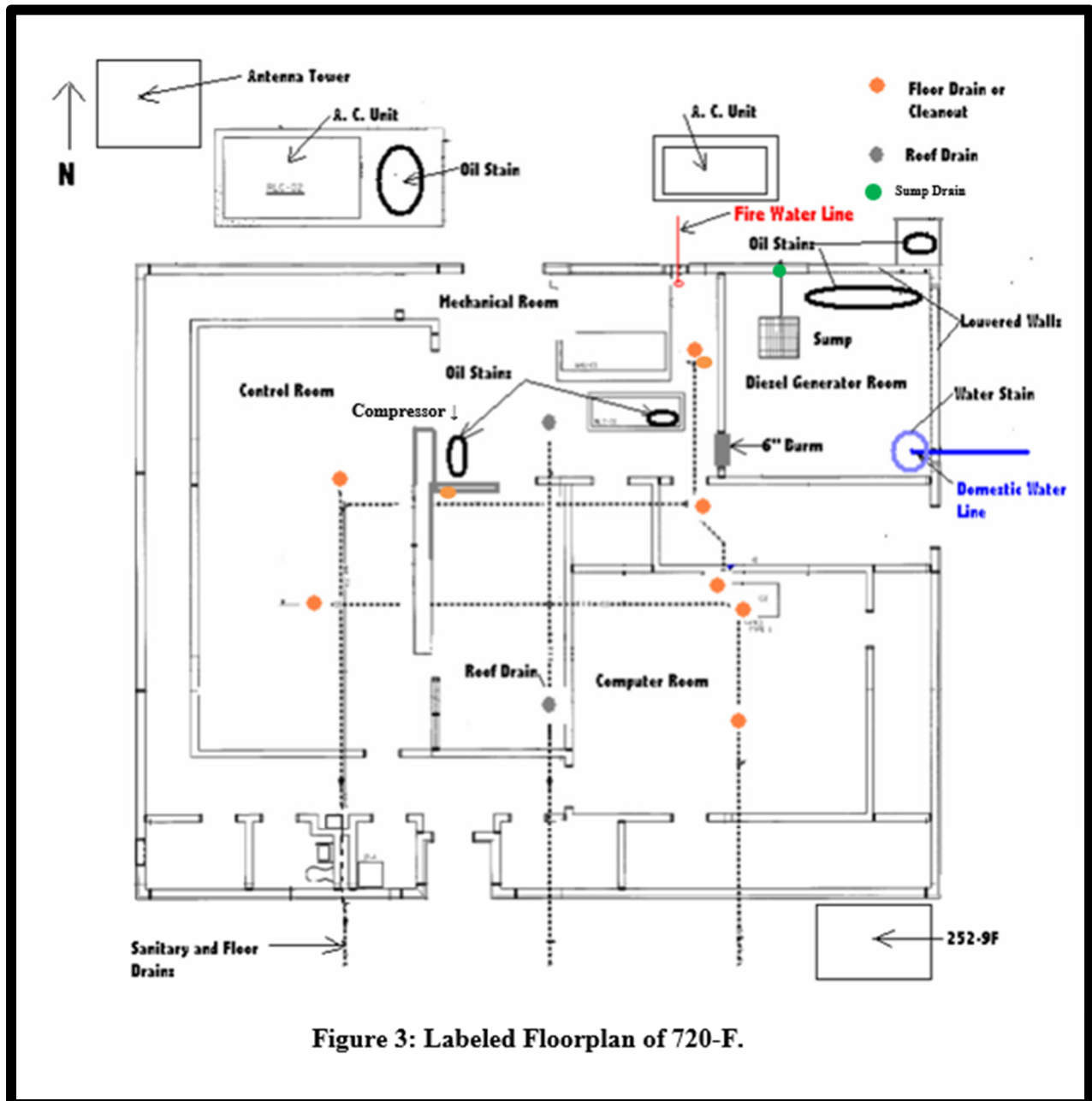


Figure 3: Labeled Floorplan of 720-F.

Edit of Figure 3 to Differentiate the Sump Drain

Responsible Party: Alex Komendantov (803-952-6048), [Alex.Komendantov@srs.gov](mailto:Alex.Komendantov@srs.gov)

**SRS Responses to South Carolina Department of Environmental Services  
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**GENERAL COMMENTS**

1. Part 1. Project Scope, Facility Description, page 6. There is a statement at the top of the page referencing an asbestos report. In previous FDEs, the asbestos survey was included in the “Summary of Existing Characterization” section. Please move this statement to the “Summary of Existing Characterization” section on page 11 of this FDE for consistency.

**Response: Agree.**

**The text below will be moved from “Facility Description” to “Summary of Existing Characterization”.**

**“The asbestos report identifies Asbestos Containing Materials only within the floor mastic of the tiled floor while the roof, valve, flange gaskets and concrete block filler were not inspected due to inaccessibility and may be treated as Presumed Asbestos Containing Material (Reference 5).”**

**Responsible Party: Alex Komendantov (803-952-6048), [Alex.Komendantov@srs.gov](mailto:Alex.Komendantov@srs.gov)**

2. Part 1. Project Scope, Facility Description, page 6. Figure 1 shows a small green square directly adjacent to the north side of 720-F and doesn't appear to be either of the HVAC units, which according to Figure 3 are the rectangle to the left and the other rectangle to the right. Additionally, Figure 5 on page 8 of this same section shows a structure between the two HVAC units. Please clarify what this small green square in Figure 1 represents and if it correlates to the structure seen in Figure 5.

**Response: Agree.**

**In Figure 1, the small green square directly adjacent to the north side of 720-F is a concrete pad for the mechanical room door of the building. In Figure 5, the chilled water piping is the structure between the HVAC units and has no relation to the slab outlined in Figure 1.**

**Figure 7 (see below) will be added to the FDE to better illustrate the concrete pad for the mechanical room door and the chilled water piping between the HVAC units. In addition, the sentence below will be added to the “Facility Description” section:**

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**“The northern slab attached to the building (Figure 1) is for the mechanical room door collocated with the chilled water lines (Figure 7).”**



**Figure 7. Doorway Pad to Mechanical Room – Northern Side of 720-F.**

**Responsible Party: Alex Komendantov (803-952-6048), [Alex.Komendantov@srs.gov](mailto:Alex.Komendantov@srs.gov)**

3. Part 1. Project Scope, Facility Description, page 8. The floorplan in Figure 3 shows a square structure on the northeast corner with oil stains that appears to be on the outside of the building. Please clarify what this structure is and if it is an external structure, what was done to ensure there were no impacts to the surrounding areas outside.

**Response: Agree.**

The text below will be added to “Facility Description” to describe the structure and any impacts to the surrounding areas outside of the building.

**“The service inlet used for refueling the diesel generator is located outside of the northeast corner of 720-F (Figure 3). This area included an external mini containment dyke designed to contain any spills that might occur during the refueling process along with a valve designed to capture spills or release rainwater. Spills would have been managed through the ORPS/SIRIM (Occurrence Reporting and Processing System/Site Item Reportability and**

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**Issue Management) database. No records of spills to the surrounding area outside of 720-F were identified in that database during research to prepare this FDE. The stained concrete will be treated with a surfactant during the decommissioning process and prior to Final Acceptance Inspection (FAI-51)."**

**Responsible Party: Alex Komendantov (803-952-6048), [Alex.Komendantov@srs.gov](mailto:Alex.Komendantov@srs.gov)**