



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 4  
ATLANTA FEDERAL CENTER  
61 FORSYTH STREET  
ATLANTA, GEORGIA 30303-8960

December 05, 2020

Mr. Brian Hennessey, 730-B  
SRS Remedial Project Manager  
Savannah River Operations Office  
Area Completion Projects  
Post Office Box A  
Aiken, South Carolina 29802



Dear Mr. Hennessey:

The U.S. Environmental Protection Agency (EPA) has reviewed the Department of Energy, Savannah River (DOE-SRS) Site's Facility Decommissioning Evaluations (FDEs), Revision 1, listed below:

- 1) Building 710-16D, Storage Building, Rev 1, Dated September 29, 2020;
- 2) Building 484-5D, D-Area Powerhouse Storage Building, Rev 1, Dated September 29, 2020;
- 3) Building 483-3D, Electrical Control Building, Rev 1, Dated September 29, 2020;
- 4) Building 484-9D, D-Area Valve House, Rev 1, Dated September 29, 2020

EPA cannot provide approval for the above mentioned document until the below comment responses are addressed however, EPA concurs that the Simple Model is appropriate for all above mentioned FDEs. Should you have any questions or concerns, please feel free to call me at on my cell number 404-229-9500.

Sincerely,

A handwritten signature in cursive script that reads "Diedre Lloyd".

Diedre Lloyd  
Remedial Project Manager  
Restoration & Sustainability Branch  
Superfund Emergency & Management Division  
61 Forsyth Street, Region 4  
Atlanta, Ga 30303

cc: Angelia Holmes, DOE-SRS, Brian Hennessey, DOE-SRS, Phil Prater, DOE-SRS, Karen Adams, DOE-SRS, Chris Bergren, SRNS-ACP (Signed Original), Susan Fulmer, SCDHEC

**EPA COMMENTS ON THE  
FACILITY DECOMMISSIONING EVALUATIONS (FDEs) FOR  
BUILDING 710-16D, STORAGE BUILDING, REV 1  
BUILDING 484-5D, D-AREA POWERHOUSE STORAGE BUILDING, REV 1  
BUILDING 483-3D, ELECTRICAL CONTROL BUILDING, REV 1,  
BUILDING 484-9D, D-AREA VALVE HOUSE, REV 1**

**DATED SEPTEMBER 29, 2020**

**D-AREA OPERABLE UNIT**

**SAVANNAH RIVER SITE  
AIKEN, SOUTH CAROLINA**

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**EPA GENERAL COMMENTS for FDEs for Building 710-16D, Building 484-5D, Building 483-3D and Building 484-9D:**

- 1) Please notify the D Area core team member (Diedre Lloyd) via email or phone if, during decommissioning of a Simple Model facility, some condition is identified that may contradict the Simple Model assumptions.
- 2) Please provide one figure that depicts the relationship between the 4 buildings and their ancillary structures. This figure should also include all previously approved FDEs buildings and ancillary structures.
- 3) Please inform EPA/SCDHEC upon property disposition to the SRS Community Reuse Organization (SRS CRO) from all DAOU FDEs via letter.
  - a. Please included a brief, estimated timeline and items (property disposition) in the letter, please let EPA know when a letter for the above requested letter is anticipated for completed FDEs.
  - b. Building 483-3D has been deemed of historical significance, please include information as to the disposition/plans for all FDEs inclusive of Building 483-3D which are of historical significance.

**EPA SPECIFIC COMMENTS for Building 483-3D, Electrical Control Building:**

- 4) **Building 483-3D, Electrical Control Building, Page 4 of 14, first paragraph:** Text within this paragraph indicates: “The proposed decommissioning end state of the North Cable Trench is In Situ Disposal.” .....”a portion of the structure will remain intact after decommissioning.”
  - a. Please include what equipment/components that will be left in the North Cable Trench
- 5) **Building 483-3D, Electrical Control Building, Page 6 of 14, first paragraph:** The text within this paragraph indicates: “On each end of the 480V switchgear bank was an integral 2.4kV to 480 V Transformer. The northeast (AT1W) transformer .....goes overhead to the west and enters Building 483-3D. Note that the scope of this decommissioning ends at the end of the North Cable Trench Concrete Slab.

- a. Please clearly indicate if the transformer's on either side of the North Cable Trench are included in this FDE and include the transformer designation for both transformers.
  - b. Later in the document Transformers AT1W and AT2W are depicted and noted in text, are these the transformers located on either end of the North Cable Trench?
  - c. Please clearly indicate what portions beyond the North Cable Trench Concrete Slab are not part of this FDE.
  - d. Please clearly indicated what portions beyond the boundary of the conduit bridge are not part of this FDE.
  - e. Please include a figure that clearly indicates the boundary referenced in the first paragraph text that states, "Note that the scope of this decommissioning ends at the end of the north cable trench concrete slab. This is also the boundary for the conduit bridge that is mounted above the cable trench." The text is unclear and figure 3 is difficult to see.
- 6) Building 483-3D, Electrical Control Building, Page 5 of 14, Figure 3:** – is fuzzy and difficult to see, however, the figure and text clearly indicate that AT2W is beyond the scope of this FDE.
- a. Please provide a clearer image/figure of Figure 3.
  - b. Please indicated North in this figure, it is difficult to determine what transformers are being referenced since the text utilizes directional information and one transformer is not identified in Figure 3.
  - c. Please clearly indicate the location of the North Cable Trench (difficult to determine in figure)
  - d. Please indicate if unidentified transformer (maybe W2?) and AT1W are included in this FDE?
- 7) Building 483-3D, Electrical Control Building, Page 8 of 14, first paragraph:** Please denote the location of the spill control pit in Figure 3 or another figure. It is noted that the spill control pit is beyond the scope of this FDE.
- a. As requested, please clearly indicate what portions are NOT included in this FDE, some are clearly noted and not depicted in a figure or are noted by directional information and not depicted in a figure that includes perspective for where the boundaries begin and end for this FDE. EPA notes there are pictures/images of spill control area/transformers, however their location and exactly what portions are NOT included need additional clarity.
- 8) Building 483-3D, Electrical Control Building, Page 11 of 14, Historical Significance:**
- a. Please include Building 483-3D's historical significance in this FDE.
  - b. Please include the mitigating actions that will need to be completed for this FDE.