



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

NOV 11 2024

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: Federal Facility Agreement Annual Removal Action Report for Fiscal Year 2024

In accordance with Section XIV.B of the Federal Facility Agreement (FFA) for the Savannah River Site (SRS), the U. S. Department of Energy (DOE) is submitting this letter as the subject report for your files. In Fiscal Year (FY) 2024 [October 1, 2023 through September 30, 2024], the Non-Time Critical Removal actions discussed below were active or pending.

- **221-1F – A-Line and Ancillary Structure, SEMS Number 88:** Action is pending; status is unchanged since FY2006. In February 2006, the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) was completed and submitted for review by the U. S. Environmental Protection Agency (EPA) and South Carolina Department of Environmental Services<sup>1</sup> (SCDES). On May 30, 2006, the Action Memorandum was issued for the non-time critical removal action (NTCRA) for Decommissioning of A-Line, 221-1F and Ancillary Structures. The responses to the EPA and SCDES comments accompanied the Action Memorandum. The future removal action will demolish the buildings to the ground or first floor slabs. Sumps and basements will be filled with appropriate material to grade. The slabs will be covered with either a 6-inch or an 8-inch concrete cap resulting in a maximum risk to the industrial worker of 2.9E-06. Due to changes in F-Area resulting from the pause of F-Canyon deactivation and shifts in priority, this action has been postponed. This alternative is expected to be implemented no later than F-Area Completion. Since the facility is structurally intact and hazards are currently contained, postponement of this action poses no immediate threat. Surveillance and maintenance will be performed to ensure conditions within the facility remain protective of human health and the environment.

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<sup>1</sup> The South Carolina Department of Environmental Services (SCDES) was known as the South Carolina Department of Health and Environmental Control prior to July 1, 2024.

Ms. Susan B. Fulmer  
Mr. Jon Richards

2

NOV 11 2024

- **235-F – F-Area Material Storage Area:** This facility is listed on Appendix K of the FFA for the SRS.

On August 26, 2021, DOE submitted the *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for F-Area Material Storage Building (235-F) (SRNS-RP-2021-00001, Revision 0, August 2021) and the Scoping Summary for the F-Area Material Storage Building (235-F) (SRNS-RP-2020-00444, April 2021) (IACD-21-154)* for regulatory review and comment. SCDES and EPA submitted comments on the Revision 0 RSER/EE/CA on October 25, 2021 and November 8, 2021, respectively (SRNS-OS-2021-00304 and SRNS-OS-2021-00317). EPA submitted additional comments on the report on January 14, 2022 (SRNS-OS-2022-00018). DOE submitted the Revision 1 RSER/EE/CA (Clean Copy and Redline), SRS' responses to the regulatory comments, and the Draft Action Memorandum on February 28, 2022 (IACD-22-130). SCDES provided concurrence of the submittal on March 16, 2022 (SRNS-OS-2022-00094). EPA provided concurrence of the Revision 1 RSER/EE/CA and comment responses on March 21, 2022 (SRNS-OS-2022-00094). The Revision 1 RSER/EE/CA was made available for public review and comment from April 5, 2022 through May 4, 2022. No comments were received on the Revision 1 RSER/EE/CA during the public comment period.

EPA provided comments on the Draft Action Memorandum on March 23, 2022 (SRNS-OS-2022-00103). DOE submitted the responses to the comments on the Draft Action Memorandum on April 13, 2022 (IACD-22-141). SCDES approved the responses to the comments on May 12, 2022 (SRNS-OS-2022-00168). The final Action Memorandum was submitted to SCDES and EPA on May 19, 2022 (IACD-22-145) and issued to the public on June 1, 2022.

Field work completed during FY2024 included removal of all 235-F exterior asbestos insulating material, exterior piping, conduits, and electrical components. 235-F support facilities removed during FY2024 include the Sanitary Lift Station (607-3F), Refrigeration Buildings (235-1F and 235-2F), heating, ventilation, and air conditioning fans S1 and S2, associated ductwork and filter house and the removal of above grade piping and elevated platform associated with the underground waste storage tank.

Project planning activities and evaluation of other field activities continues. The preferred NTCRA for 235-F is In-Situ Decommissioning of First and Second Level Process Areas/Engineered Roof. Upon conclusion of the non-time critical removal action, a Removal Action Report that summarizes the work and describes the end-state condition of Building 235-F will be prepared and submitted to SCDES and EPA to document completion of the removal action.

Table 1 summarizes the FY2024 maintenance activities. There were 23 maintenance activities initiated within Site Evaluation and RCRA/CERCLA Areas in FY2024. There were 24 maintenance activities carried over from previous years. Of the 47 activities identified in this report, 29 have been completed, 11 are in progress, in design, or planning phases, 5 are on hold, and 2 were cancelled.

Ms. Susan B. Fulmer  
Mr. Jon Richards

3

NOV 11 2024


All the operation and maintenance (O&M) activities were minor activities.

The effort and time that SCDES and EPA have given on the operable units and information discussed in this letter are appreciated.

Questions from you or your staff may be directed to me at (803) 952-7805.

Sincerely,

**AVERY  
HAMMETT**

 Digitally signed by AVERY  
HAMMETT  
Date: 2024.11.11 07:51:58 -05'00'

Avery G. Hammett  
FFA Project Manager, DOE-Savannah River Operations Office  
Remediation, Deactivation, and Decommissioning Division

RDDD-25-105

c:

M. Reese, SCDES-Columbia  
H. J. Porter, SCDES-Columbia  
J. Blalock, SCDES-Columbia  
S. French, SCDES-Columbia  
G. R. Stewart, SCDES-Columbia  
G. K. Taylor, SCDES-Columbia  
H. H. Cathcart, SCDES-Columbia  
T. R. Fuss, SCDES – Midlands Aiken Environmental Affairs Office  
G. O'Quinn, SCDES – Midlands Aiken Environmental Affairs Office  
E. G. Downing, SCDES – Midlands Aiken Environmental Affairs Office  
H. L. Herlong, SCDES – Midlands Aiken Environmental Affairs Office  
B. Martin, EPA-Atlanta  
J. Dawson, EPA-Atlanta

Ms. Susan Fulmer  
Mr. Jon Richards

4

NOV 11 2024

**Table 1. Fiscal Year 2024 Maintenance Activity Summary****Completed Activities**

<b><u>O&amp;M Plan #</u></b>	<b><u>Description</u></b>	<b><u>O&amp;M Manual ID #</u></b>
19-014	L-Area PIDAS Enhancements	303, 305, 479, 560
20-005	901-H Segregation Valve Pit Raceway Installations	294, 295, 549, 591
20-010	Replace Conduit on the East Side of 221-H at Section 3 Stairs	344, 549, 591
21-006	K-Area Entry Control Facility and Support Diesel in Site Evaluation Area 476, Southeast Corner of K-Area Protected Area	476
22-013	K-Area Entry Control Facility Soil Disturbance for Duct Banks, Bollards, HVAC Pad, Transformer Pad, Fence and Security Poles	476
22-014	K-Area Soil Disturbance for Project Associated with the Materials Access Area Entry Control Facility Restroom Trailer, Duct Banks, Poles, Etc.	476
22-020	K-Area Soil Disturbance for Electrical Installations to/from the New Entry Control Facility (ECF-3) Diesel Generator E-House, Etc. via Pole Installations and Duct Banks	476
23-007	PAR Pond Emergency Spillway Restoration	110, 152
23-015	Grout Manhole P5 near 704-55H	344, 591
23-018	Excavation for Steam Pole	549, 591
23-019	K-Area Soil Disturbance for Surplus Plutonium Disposition (SPD) Project Construction Personnel Trailers	476, 302
23-020	Fiber Optic from 702-2A to Barricade 9	562
23-022	K-Area SPD Project Construction Island	301, 476, 572
23-024	Grouting of Manhole P34	563
24-001	Excavation of Hot Spot from Spill on 2/1/1957	225
24-002	Excavation to Evaluate and Correct F1-901-DW-V-051	283, 563
24-003	Grading to Install Quonset Huts and Laydown Yard	476, 572
24-005	Installation of Remote Monitoring Poles in F Area	343, 394, 563
24-006	Excavation to Repair Domestic Water Leak	283, 563
24-007	Installation of K-Area to C-Area Sanitary Sewer Line	514, 572
24-008	Excavation to Repair Fire Water Line near 723-A	562
24-009	K-Area Soil Disturbance for Bollard Installation at 715-K	302
24-010	Excavate and Repair Underground Well Water Leak near 241-84H	261, 262, 298
24-011	Tree Removal for SPD Location in N Area	
24-013	Excavation for Repair near 704-H	294, 295, 549, 591
24-014	Excavation to Repair Leak on Neutralization Discharge Line near 723-A	562

Ms. Susan Fulmer  
Mr. Jon Richards

5

NOV 11 2024

**Table 1. Fiscal Year 2024 Maintenance Activity Summary (Continued/End)****Completed Activities (Continued/End)**

<b><u>O&amp;M Plan #</u></b>	<b><u>Description</u></b>	<b><u>O&amp;M Manual ID #</u></b>
24-015	SPD Installation of Data Lines and Electrical Lines to Building 105-28K	
24-016	Cell Phone Locker and Pad in K-Area	302, 476
24-018	Excavation to Correct Underground Domestic Water Leak near 704-56H	262, 298

**In Process / On Hold / Cancelled Activities**

<b><u>O&amp;M Plan #</u></b>	<b><u>Description</u></b>	<b><u>O&amp;M Manual ID #</u></b>
19-019	F- & H-Area Lab Cell C & D Water Intrusion Removal	SPF-008, 308, 429, 563
20-009 +	Isolate Domestic Water Supply Line to 238/238-1H for D&R	531, 549, 591
20-011	Placement of New Concrete Pad for Repairing Domestic Water Lines South of 254-19H	549, 591
21-005 *	Install Concrete Pad and Metal Walkway to 794-A Sandfilter	387, 562
21-008	Spent Material Clean-up in the 725-1N Abrasive Blasting Operations Area	354
22-006 *	Excavation to Repair Domestic Water Leak Near 247-19F	563
22-007 *	Excavation to Repair Domestic Water Leak North of 772-1F	563
23-008	Excavation to Correct Leaking Pipe near 735-A	562
23-012	Fiber Installation from Forestry to ATTA	208
23-017	Fiber Installation from A Area to B Area and F Area	236, 270, 563, 575
24-004 *	SRPPF Laydown Yard near 288-F Ash Basin	276
24-012	Repair leak in 285-H Basin Wall	549, 591
24-017	Extend Concrete Pads at H-Canyon For HVAC Units	344, 374
24-019 +	Excavation to Correct Underground Domestic Water Leak near 704-H (duplicate)	295
24-020 *	Excavation to Correct Underground Domestic Water Leak near 254-5H	142, 591
24-021	Excavation to Correct Underground Domestic Water Leak near 786-5A	387
24-022	SPD Excavations in 105-K Rev 1	476, 572
24-023	Installation of Lysimeters in E Area	592

\* On Hold

+ Cancelled