

The Savannah River Site Environmental Bulletin

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Action Memorandum and Responsiveness Summary issued for the Non-Time Critical Removal Action for the F-Area Material Storage Building (235-F)

The U. S. Department of Energy (DOE) has selected the preferred alternative for the non-time critical removal action for decommissioning of the F-Area Material Storage Building (235-F). A thirty (30)-day public comment period for the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis was held from April 5, 2022, through May 4, 2022.

Building 235-F is a windowless, two-story, reinforced-concrete structure located in F Area near the center of Savannah River Site. The building is approximately 222 feet long, 109 feet wide, and 28 feet high. Building 235-F was constructed in the 1950s as part of the original Savannah River Site project and used for a variety of missions, primarily processing, storage, and disbursement of radioactive materials in support of Savannah River Site and the DOE complex. Building 235-F and support facilities are currently in a reduced surveillance and maintenance state and are undergoing deactivation activities and preparations for decommissioning. Two additional structures, an abandoned capped stack (293-F) located on the east side of the building and an underground storage tank connected by a pipe trench on the north side of the building, are included in the scope of the non-time critical removal action.

DOE has selected Alternative A-2, In-situ Decommissioning of First and Second Level Process Areas/Engineered Roof. This alternative involves the grouting of the first and second level process areas, the installation of an engineered roof (sloped concrete reinforced roof slab with integral crystalline waterproofing) designed to last 1,000 years, the grouting/capping of the underground storage tank, and the permanent sealing of the abandoned capped stack (293-F). This removal action alternative will not preclude any additional remediation and is expected to be consistent with the final remedial action.

The selection of the preferred removal action alternative is documented in the Action Memorandum. DOE has worked with the South Carolina Department of Health and Environmental Control and the U. S. Environmental Protection Agency to ensure that the removal action is consistent with all applicable human health and environmental requirements.

Copies of the Action Memorandum and Responsiveness Summary are available in the administrative record. The administrative record is available in the information repositories listed below:

- DOE Public Reading Room at the Gregg-Graniteville Library at the University of South Carolina-Aiken campus in Aiken, SC; and
- Thomas Cooper Library Government Documents Department at the University of South Carolina in Columbia, SC.

Hard copies of the Action Memorandum and Responsiveness Summary are available at the following:

- Reese Library Government Information Section at Augusta University in Augusta, GA; and
- Asa H. Gordon Library at Savannah State University in Savannah, GA.

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An electronic copy is posted at the following address: <http://www.srs.gov/general/programs/soil/pub/pubinv.html>

DOE will notify the public when the Sixth Five-Year Remedy Review Report for Savannah River Site Operable Units with Geosynthetic or Stabilization/Solidification Cover Systems is complete and is available to the public. The report is currently planned to be available to the public in January 2023.

For additional information about the five-year remedy review process at SRS, please contact Barbara Smoak at the address listed below:

For additional information, contact: Barbara Smoak, Savannah River Nuclear Solutions, LLC, Savannah River Site, 730-1B, Aiken, SC 29808

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