

# The Savannah River Site Environmental Bulletin

June 15, 2016

Volume 28, Number 6

## *Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for the D-Area Ash Basin (488-1D) Available for Public Comment*

The U. S. Department of Energy (DOE) is proposing to perform a non-time critical removal action for the D-Area Ash Basin (488-1D), which is a subunit of the D Area Operable Unit (DAOU). Under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) describes how the proposed removal action meets the criteria established in the National Oil and Hazardous Substances Contingency Plan, 40 Code of Federal Regulations 300.415. The purpose of this RSER/EE/CA is to identify the objectives of the removal action and to develop alternatives that address the potential threats from release of contaminants to the environment from this subunit. This document will be available for public review and copying at the locations listed below. The 30-day public comment period is scheduled for June 15, 2016 to July 14, 2016.

The RSER/EE/CA was completed to meet the terms of CERCLA, a law governing the investigation and cleanup of waste units. The DOE has worked with the U. S. Environmental Protection Agency-Region 4 (EPA) and the South Carolina Department of Health and Environmental Control (SCDHEC) to ensure the remedial approach is consistent with all applicable environmental requirements.

The DAOU is one of the area operable units identified at the Savannah River Site (SRS). DAOU is located in the southwest quadrant of SRS approximately 3,000-feet east of the nearest site boundary, the Savannah River. The DAOU is 210 acres and contains surface units and source areas in D Area that potentially pose a threat to human health and the environment. The 488-1D Ash Basin served as a coal ash settling basin for wastewater effluent. The 488-1D Ash Basin comprises an area of 40 acres within the DAOU.

DOE, EPA, and SCDHEC have reviewed the risks associated with this subunit and have evaluated cleanup alternatives. The preferred removal action for the 488-1D Ash Basin is Alternative 2, Ash Consolidation and Geosynthetic Cover System, which meets the effectiveness, implementation, cost, and acceptance criteria. The ash from the western portion of the 488-1D Ash Basin will be excavated and consolidated into the eastern portion of the basin along with excavated soil from within the two Inlet Basins. In addition, coal fines/contaminated soils from the 489-D Coal Pile Runoff Basin and the ash located to the east (exterior) of the 488-4D Ash Landfill will be placed into the eastern portion of the basin. A geosynthetic cover system that meets the permeability, infiltration and erosion control requirements of a SCDHEC Class Three Landfill will be placed over the ash consolidation area to ensure the overall protection to human health and the environment. This alternative will not preclude any additional remediation of the DAOU and is consistent with the current and future land use.

Upon completion of the public comment period, an Action Memorandum with a Responsiveness Summary that addresses public comments will be prepared.

---

For additional information, contact: Janet Griffin, Savannah River Nuclear Solutions, LLC  
Savannah River Site, Building 730-1B, Aiken, SC 29808  
1-803-952-8467 [janet.griffin@srs.gov](mailto:janet.griffin@srs.gov)

# The SRS Environmental Bulletin

Copies of the RSER/EE/CA 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 RSER/EE/CA 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.

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

# The SRS Environmental Bulletin

For more information on this or other environmental and compliance activities at SRS, please contact:

Janet Griffin  
Savannah River Nuclear Solutions  
Aiken, S.C. 29808  
(803) 952-8467  
email: [janet.griffin@srs.gov](mailto:janet.griffin@srs.gov)

## Mailing List Information

Add to mail list    Correct my address    Remove from mail list

Name \_\_\_\_\_

Mailing Address \_\_\_\_\_  
\_\_\_\_\_

E-mail Address \_\_\_\_\_

Mail to: SRS Environmental Bulletin  
Savannah River Site, Building 730-1B  
Aiken, SC 29808

Save a stamp! E-mail your changes to [janet.griffin@srs.gov](mailto:janet.griffin@srs.gov)



13000040



## The SRS Environmental Bulletin

Savannah River Site  
Building 730-1B  
Aiken, S.C. 29808