

The Savannah River Site Environmental Bulletin

September 14, 2023

Volume 35, Number 6

Current Permit Expires March 13, 2024

Savannah River Site Seeks RCRA Hazardous Waste Permit Renewal for General Information, Mixed Waste Management Facility, Mixed Waste Storage Buildings, and Sanitary Landfill

The U.S. Department of Energy (DOE) - Savannah River Operations Office has requested that its Resource Conservation and Recovery Act (RCRA) permit be renewed. The current permit for General Information, Mixed Waste Management Facility (MWMF), Mixed Waste Storage Buildings (MWSBs), and Sanitary Landfill (SLF) expires on March 13, 2024. Per South Carolina regulations, a renewal request must be submitted 180-days prior to the expiration date of the effective permit. This request was met by the submittal of the Savannah River Site (SRS) 2023 RCRA Permit Renewal Application, Revision 0, on September 12, 2023.

This renewal application is divided into four volumes: General Information (Volume I), MWMF (Volume VII), MWSBs (Volume VIII), and SLF (Volume XXIII).

The General Information volume contains information common to all of the facilities at SRS. It includes descriptions of the site emergency services, security, regional hydrology, and much of Part A of the application. Part A consists of required U.S. Environmental Protection Agency Form 8700-23, maps, drawings, and photographs. Several of the more significant changes from the previous 2013 renewal application included updating the Part A information, the general introduction and process information for each facility's current operation status, and the hydrogeologic and groundwater monitoring information to reflect current conditions.

The MWMF is a landfill that was originally 58 acres, received waste until 1985, and was closed under the regulations with the closure certification received in 1991. It received lead gloves, coveralls, soils, construction debris, waste oils, solvent rags, and irradiated scrap metals. An additional 13 acres of the facility received waste until 1990 and was certified closed in 1999. The additional acreage received solvent rags. Groundwater below the MWMF contains a variety of contaminants, mostly tritium, solvents, and some heavy metals. There are no significant changes from the previous 2013 renewal application. Minor changes include updating text in Section E with current contaminant levels and revising maps with current data. There are no proposed changes to the existing corrective actions being implemented at the MWMF.

The MWSB volume contains information for two buildings. They are located in E-Area near the center of the site. They temporarily store hazardous waste, mixed waste, non-hazardous radioactive waste, and polychlorinated biphenyl wastes. A couple of the more significant changes from the previous 2013 renewal application include requesting approval to stage loaded/closed MWSB shipments outside of regulated MWSBs for less than seven days to prepare shipments to permitted offsite Treatment, Storage, and Disposal facilities as well as approval to overpack containers on the asphalt area/extension areas of the MWSBs.

The SLF was built in 1974, received waste until 1994, and was certified closed in 1997. Originally 32 acres, the landfill was expanded to approximately 70 acres before it was closed. It generally accepted solid waste from administrative areas, cafeterias, and industrial activities, but also received some solvent rags. The groundwater associated with the SLF contains

The SRS Environmental Bulletin

a variety of contaminants, primarily solvents. In 1999, SRS performed an in situ bioremediation corrective action for the contaminated groundwater. Based on regulatory agreement, the corrective action ceased operations in 2005. SRS is currently monitoring the groundwater to ensure that no further remediation of the groundwater is needed. The only significant change from the previous 2013 renewal application includes proposing to move 1,1-dichloroethane and cobalt from the compliance monitoring list to the corrective action list due to reductions in their respective groundwater protection standards. No additional corrective actions were proposed based on this change.

More information, including the actual volumes of the permit renewal application, is available for review and copying at the DOE Public Reading Room located in the University of South Carolina-Aiken Library, or by contacting personnel identified in this notice. The Permittee's compliance history during the life of the permit that is expiring is available from South Carolina Department of Health and Environmental Control.

Written comments may be sent to SCDHEC. All comments will be considered in the final decision.

Please send your comments to:

Stacey French, P.E., Director

Division of Waste Management

Bureau of Land and Waste Management

South Carolina Department of Health and Environmental Control

2600 Bull Street

Columbia, SC 29201

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

The SRS Environmental Bulletin

For additional information, contact:

Barbara Smoak

Savannah River Nuclear Solutions

Aiken, S.C. 29808

(803) 952-8060

email: barbara.smoak@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 barbara.smoak@srs.gov



00000001



The SRS Environmental Bulletin

Savannah River Site

Building 730-1B

Aiken, S.C. 29808