



Environmental Bulletin

Volume 21 Number 4
October 28, 2009

from the Savannah River Site

Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (rser/ee/ca) for the 489-D Coal Pile Runoff Basin, D-006 Outfall and 484-10D Waste Oil Facility at the D Area Operable Unit

The U. S. Department of Energy (DOE) is proposing to perform a non-time critical removal of metal, pesticide and PCB-contaminated soil at the Powerhouse Subunit at 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 (NCP), 40 Code of Federal Regulations (CFR) 300.415. The purpose of this RSER/EE/CA is to identify the objectives of the removal action for the Powerhouse Subunit at the DAOU, and to develop alternatives that address the potential threats from release of contaminants to the environment. The subunit consists of the 489-D Coal Pile Runoff Basin, D-006 Outfall and 484-10D Waste Oil Facility. This document will be available for public review and copying at the locations listed below. The public comment period is scheduled for October 28, 2009, to November 28, 2009.

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 United States Environmental Protection Agency-Region 4 (USEPA) and the South Carolina Department of Health and Environmental control (SCDHEC) to ensure the remedial approach is consistent with all applicable environmental requirements.

The DOE, USEPA and SCDHEC have reviewed the risks associated with the Powerhouse Subunit at the DAOU and have evaluated cleanup alternatives. Based on a comparative analysis of the alternatives, Alternative 2 (Consolidation and Soil Cover with Institutional Controls), has been selected as the preferred alternative. Alternative 2 includes the excavation of 4,000 cubic yards of metals, PCB and pesticide-contaminated sediments from the D-006 Outfall and 187 cubic yards of arsenic contaminated soil from the 484-10D Waste Oil Facility and placement in the 489-D Coal Pile Runoff Basin. A 4 acre soil cover will be placed over the soil in the 489-D Coal Pile Runoff Basin. Institutional controls would include warning signs and deed restrictions.

The DAOU is located in the western portion of the Savannah River Site (SRS). The 489-D Coal Pile Runoff Basin is located in the southern portion of the DAOU and is approximately 14 acres in size. The D-006 Outfall is in the northwestern portion of the DAOU and is an National Pollutant Discharge Elimination System permitted outfall that receives surface water runoff from the powerhouse, heavy water re-work facilities and the bubble tower. The 484-10D Waste Oil Facility is located south of the powerhouse and was used to store used oil prior to burning in the powerhouse boilers.

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

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 at Augusta State 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>

Paul Sauerborn
Savannah River Nuclear Solutions, LLC
Savannah River Site
Building 730-1B
Aiken, SC 29808
803-952-6658
paul.sauerborn@srs.gov

MAILING LIST

Name _____

Email: _____

Mailing Address: _____

☐ Add to mail list

☐ Remove from mail list

☐ Correct my address

Mail to:

**SRS Environmental Bulletin
Savannah River Site
Building 730-1B
Aiken, S.C. 29808**



The SRS Environmental Bulletin
Savannah River Site
Building 730-1B
Aiken, S.C. 29808



The SRS Environmental Bulletin

**For more information on this or
other environmental and compli-
ance activities at SRS, please con-
tact:**

Paul Sauerborn

Savannah River Nuclear Solutions, LLC

Aiken, S.C. 29808

Public Involvement

(803) 952-6658

e-mail: paul.sauerborn@srs.gov
