



Environmental Bulletin

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from the Savannah River Site

Action Memorandum Issued for the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) for the Removal Action of Tritium Contaminated Soil and Concrete at the Moderator Processing Subunit at the D Area Operable Unit

The DOE has selected the preferred alternative for the non-time critical removal action of tritium contaminated soil and concrete at the Moderator Processing Subunit at the D Area Operable Unit (DAOU). A 30-day public comment period was held for the RSER/EE/CA from September 20, 2009, to October 30, 2009.

DOE has determined that Alternative 2, Removal and On-Unit Thermal Treatment with Institutional Controls, has been selected as the preferred removal action. Alternative 2 includes the excavation of contaminated soil and concrete and applying heat to the stockpiled material in thermal treatment cells to induce volatilization of tritium. The scope of the removal action involves approximately 3000 cubic yards of tritium contaminated media.

The DAOU is located in the western portion of the Savannah River Site (SRS). The Moderator Processing Subunit is located in the northern area of the DAOU and is approximately 15 acres in size and is comprised of six decommissioned buildings. Spills of moderator onto the concrete slabs and soils in and near three of these buildings resulted in tritium contamination within the Moderator Processing Subunit. The Moderator Processing Subunit remained operational until the late 1990s.

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

A copy of the Action Memorandum is 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, S.C.; and
- Thomas Cooper Library Government Documents Department at the University of South Carolina in Columbia, S.C.

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