



# Environmental Bulletin

Volume 20 Number 27  
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*from the Savannah River Site*

## **Action Memorandum Issued for the RSER/EE/CA for the Removal Action of Volatile Organic Compound Contaminated Soil at the Bubble Tower Subunit at the D Area Operable Unit**

The DOE has selected the preferred alternative for the non-time critical removal action for Volatile Organic Compound (VOC) Contaminated Soil at the Bubble Tower Subunit at the D Area Operable Unit (DAOU). A 30-day public comment period was held for the Removal Site Evaluation Report/Engineering Evaluation/Cost Analysis (RSER/EE/CA) from July 27, 2009 to August 26, 2009.

DOE has determined that Alternative 2, Soil Vapor Extraction (SVE) with Institutional Controls, is the preferred removal action. A VOC, tetrachloroethylene, was identified as a contaminant migration constituent of concern. Alternative 2 entails the placement of Microblower™ equipped SVE wells at 11 locations. The Microblower™ system removes VOCs from the soil by applying a vacuum to the subsurface to remove the vapor-phase contaminants. The scope of the removal action involves an approximate area of 10,890 square feet, a depth of 10 feet, and an in situ volume of 4,033 cubic yards. The Microblower™ system would likely be operational for four years to achieve the remedial goal objectives. Institutional controls would include warning signs, deed restriction, and short-term and long-term monitoring to determine the effectiveness of the removal action.

The DAOU is located in the western portion of the Savannah River Site (SRS). The Bubble Tower Subunit is located in the northern area of the DAOU and is approximately 95 acres in size. The VOC contaminated soil is located near the 717-D Maintenance Shop within the Bubble Tower Subunit. The 717-D Maintenance shop was deactivated in 1999.

The selection of the preferred alternative is documented in the Action Memorandum. DOE has worked with SCDHEC and the EPA to ensure that the removal action is consistent with all applicable environmental requirements.

Copies of the RSER/EE/CA and Action Memorandum 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 area 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>

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## **The SRS Environmental Bulletin**

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