



Environmental Bulletin

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from the Savannah River Site

FACT SHEET AVAILABLE FOR EARLY ACTION C, K, & L REACTOR COMPLEXES AT THE SAVANNAH RIVER SITE

The United States Department of Energy (DOE), the United States Environmental Protection Agency – Region 4 (EPA), and South Carolina Department of Health and Environmental Control (SCDHEC) announces the availability of a Fact Sheet for C, K, & L Reactor Complexes. The Early Action Record of Decision, which was issued to the public on 12/19/09, selected In Situ Decommissioning (ISD) with Land Use Controls (LUCs). The selected remedy for the Reactor Complexes is *In Situ Decommissioning* (ISD) with Land Use Controls (LUCs). The ISD end state will not be implemented until all USDOE missions have ceased at these Reactor Complexes.

The ISD end state will consist of the following:

- Maintaining the structural integrity of the above-ground portions of each facility for at least a period of 200 years, preventing exposure to receptors from residual short-lived radioisotopes in building structure and preventing tritium migration due to infiltration;
- Stabilizing contaminants in place as necessary to prevent unacceptable release to the environment;
- Sealing the building to eliminate routes of human and animal intruder access thereby eliminating unacceptable exposure to radiological or hazardous contamination.

The LUCs included as part of the selected remedy are currently in place as part of ongoing operations and include:

- Access controls to prevent unacceptable exposure to on-site workers via the Site Use Program, work control, worker training, worker briefing of health and safety requirements, physical controls and warning signs.
- Access controls to prevent unacceptable exposure to trespassers, as described in the 2000 Resource Conservation and Recovery Act (RCRA) Part B Permit Renewal Application, Volume I, Section F.1, which describes the security procedures and equipment, 24-hour surveillance system, artificial or natural barriers, control entry systems, and warning signs in place at the SRS boundary.

The C-, K-, and L-Reactor Complexes operated in support of Savannah River Site's (SRS) primary mission to produce tritium, plutonium, and other special nuclear materials for our nation's defense programs. Although the Reactor Complexes are no longer producing nuclear material, the C-, K-, and L-Reactor Complexes have continuing USDOE missions associated with nuclear material storage.

Copies of the C, K, L-Reactor Complex Fact Sheets 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 (USC) Aiken campus in Aiken, SC; and
- Thomas Cooper Library Government Documents Department at USC in Columbia, SC.

Hard copies of the C, K, L-Reactor Complex Fact Sheets are available at the following locations:

- Reese Library at Augusta State University in Augusta, GA; and
- Asa H. Gordon Library at Savannah State University in Savannah, GA.

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