



Environmental Bulletin

Volume 19 Number 24
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from the Savannah River Site

Hazardous Waste Permit Application Recertified

The Department of Energy (DOE)-Savannah River Operations Office has submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) modifications to Savannah River Site's (SRS) 1992 and 2000 Resource Conservation and Recovery Act (RCRA) Part B Permit Renewal Applications.

Effective August 1, 2008, Savannah River Nuclear Solutions, LLC (SRNS) became the Management and Operation Contractor for the Savannah River Site. As a result, SCDHEC requested SRS to submit revised SRS certification pages for a number of RCRA documents including the SRS 1992 and 2000 RCRA Part B Permit Renewal Applications. These revisions update the certifications for each permit application as requested by SCDHEC.

More information, including the actual permit applications, 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

For additional information, contact Paul Sauerborn, Savannah River Nuclear Solutions, LLC, Savannah River Site, 730-1B, Aiken, SC 29808. Please send your comments to R. A. Haynes, Director, Division of Waste Management, South Carolina Department of Health and Environmental Control, 2600 Bull Street, Columbia, SC 29201-1708.

DOE Requests Temporary Authorizations to Perform Silver Chloride Injection at F Area Hazardous Waste Management Facility (HWMF) Underground Barrier Wall System and to Perform a Pilot Study of Enhanced Anaerobic Reductive Precipitation Technology near the F Area HWMF Point of Compliance Well FSB-90D

The Department of Energy (DOE) at the Savannah River Site (SRS) has requested from the South Carolina Department of Health and Environmental Control (SCDHEC) temporary authorizations to perform silver chloride injection for iodine-129 (I-129) treatment at the F-Area HWMF underground barrier wall system and to perform a pilot study of Enhanced Anaerobic Reductive Precipitation Technology near the F Area HWMF Point of Compliance Well FSB-90D.

The SRS has developed an innovative insitu treatment for I-129 using silver chloride. The silver chloride amendment has a very small particle size and is designed to be injected into the contaminated aquifer to capture I-129. When I-129 comes in contact the silver chloride it forms silver iodide, which is very stable and essentially insoluble in water. The temporary authorization requests approval to inject the silver chloride amendment into the groundwater at the eastern most edge of the F-Area HWMF underground barrier wall system. The silver chloride injection system will operate for 180 days.

The purpose of the pilot study of Enhanced Anaerobic Reductive Precipitation Technology near the F Area HWMF Point of Compliance Well FSB-90D is to evaluate the efficacy of the technology for the treatment of three groundwater contaminants at the F Area HWMF: uranium, technetium and nitrate. The pilot study will operate for 180 days.

For more information contact:

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Mr. Sauerborn may also be reached at 1-800-249-8155 or E-mail at paul.sauerborn@srs.gov.

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**For more information on this or
other environmental and compli-
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