

Meeting challenges, exceeding expectations in radioactive liquid waste work



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SRS 3H Evaporator is part of the Liquid Waste disposition system.

Over the last eight years, Savannah River Remediation, LLC (SRR) has met challenges and exceeded expectations as the first liquid waste contractor at the Savannah River Site (SRS), owned by the U.S. Department of Energy (DOE).

Since July 1, 2009, SRR has been responsible for all liquid waste operations at SRS, including waste management and disposition, as well as management of all liquid waste facilities. Additionally, SRR has been the leader in operationally closing high-level waste tanks. Currently, there are 43 operational underground storage tanks containing approximately 35 million gallons of legacy radioactive liquid waste from the Cold War era. Before tanks can be closed, work involves removing, stabilizing, and disposing of the high- and low-level waste from the tanks.

SRR is a team of companies led by AECOM with partners Bechtel National,

CH2M, and BWX Technologies, Inc. Critical subcontractors are AREVA, Atkins and AECOM N&E Technical Services.

Notable achievements during SRR's tenure at SRS include:

- Operationally closed six high-level radioactive waste tanks (SRR's heritage company closed the first two tanks at SRS, the only such tanks closed in the world)

- Designed and built SRS' first mega-volume (32 million gallons) Saltstone Disposal Unit from the ground up, under budget and ahead of schedule

- Produced nearly 1,500 canisters and poured 6 million pounds of radioactive glassified waste at the Defense Waste Processing Facility (DWPF)

- Processed more than 6 million gallons of salt waste through interim salt processing facilities known as the Actinide Removal Process/Modular Caustic Side Solvent Extraction Unit

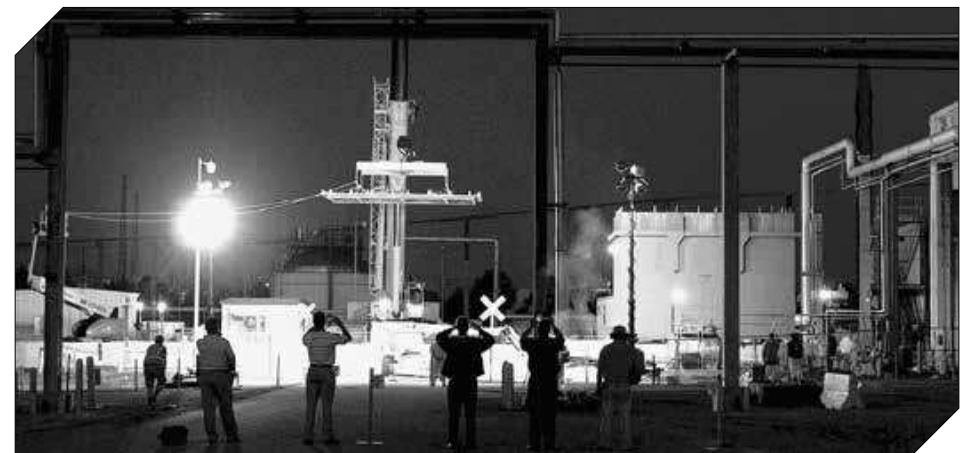
- Stabilized more than 10.9 million gallons of low-level liquid waste through the Saltstone facilities

- Treated more than 70 million gallons through the Effluent Treatment Facility

- Received DOE's Voluntary Protection Program Star of Excellence for safety each year. (The longest streak without a lost workday injury was reached in June 2015 with nearly 10 million safe hours.)

Other significant projects and achievements included implementing the Next Generation Solvent into waste processing, which enhances the ability to remove radioactive elements from the waste; designing and executing the DWPF Canister Double Stack Project, which postpones the need for another interim storage facility for at least 10 years and allows DOE to redirect funds to critical liquid waste cleanup efforts; and developing

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DWPF's Melter 2 on its way out of the facility.