

Waste Management - Liquid Waste

Dean Campbell
SRR Public Affairs and Project Communications







Savannah River Site Information Pods

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Liquid Waste Overview

- The U.S. Department of Energy awarded Savannah River Remediation the six-year base contract, plus two year option, for high level waste clean-up
- Contract began July 1, 2009; Extended by DOE until June 30, 2017
- Currently about 2,000 employees

Environment and Public Safety

- Protect the environment
- 36 million gallons of high level waste
- 43 underground tanks



Waste Disposition

- Support U.S. government's nuclear nonproliferation agenda = H Canyon
- Remove waste from tanks and stabilize into glass and grout



Clean Up

- Clean the empty tanks
- Operationally close tanks
- Seven tanks closed total
- One tank being grouted right now





A Focus on Safety





Radiological Safety





Chemical Safety

Safety: Perspective/Awards

- Construction forces (legacy and current) accumulated over 27 million safe hours
- Recipient of National and State
 Awards in recognition of safety
 performance (National Safety Council
 Industry Leader, Occupational
 Excellence Achievement and Million
 Hour Awards; S.C. Chamber of
 Commerce and S.C. Department of
 Labor, Licensing and Regulation
 Awards)
- Reached contract-high 9.8 million safe hours in operations in 2015.



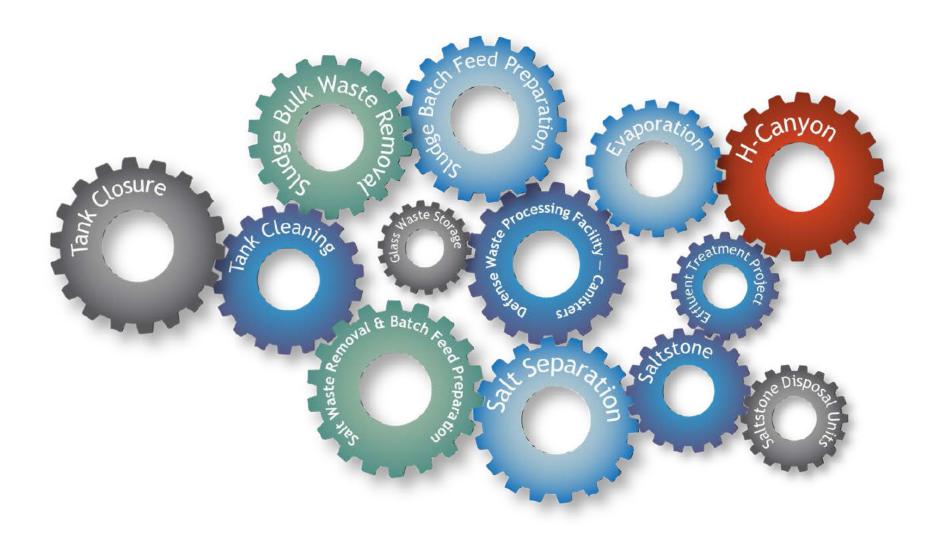






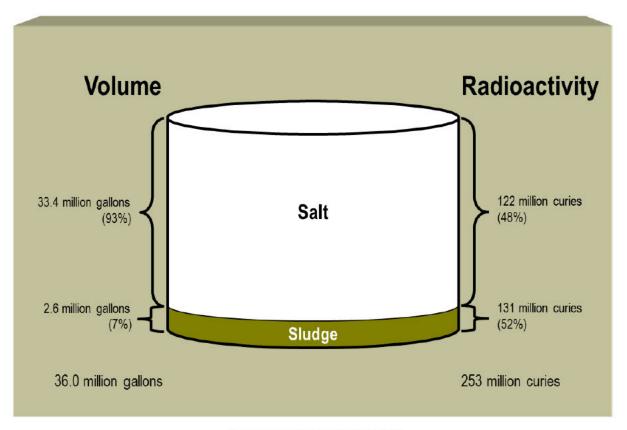


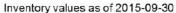
An Integrated System





Where it Starts: Waste in the Tanks





"The high-level waste at the Savannah River Site represents the single largest environmental risk in South Carolina." – S.C. Department of Health and Environmental Control









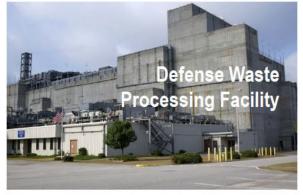
Liquid Waste Facilities











DWPF Video





Salt Processing

- Saltstone Disposal Unit (SDU)
 SDU 3 and 5 currently being filled with a grouted decontaminated salt solution
- SDU 6 primary construction complete
 - 30 million gallon capacity
 - 6 more mega units planned



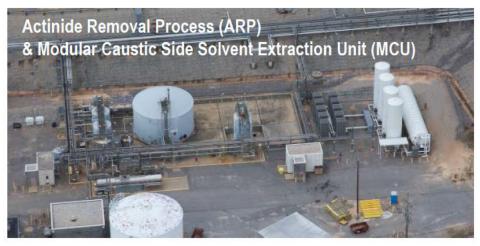


Production Last Year

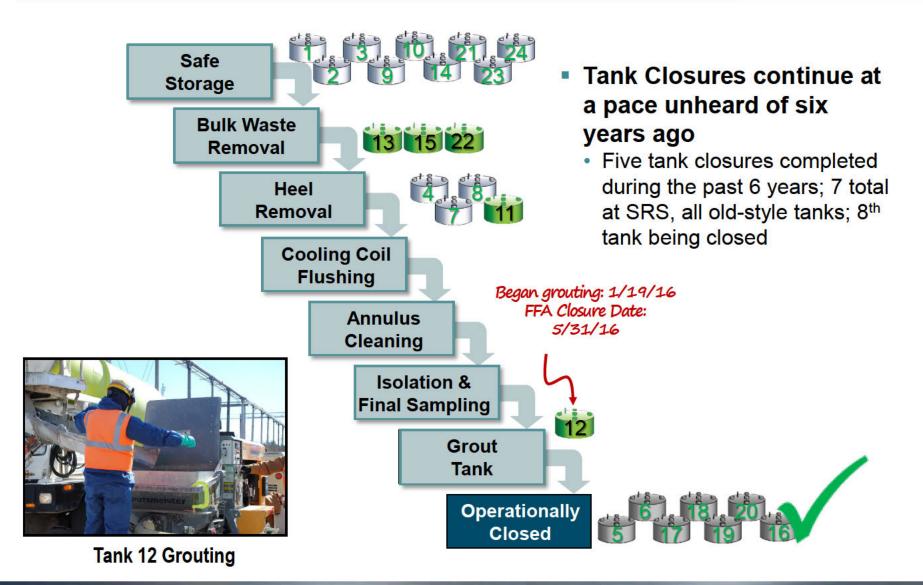


- DWPF: 93 canisters produced in FY 15
- ARP/MCU: 752,000 gallons processed
- Saltstone: 1.5 million gallons of grout put into Saltstone Disposal Units





Tank Closure





Tank Closure









Conclusion

- We continue to perform safely
 - Focus on safety has been excellent
- Sharing our technology and our people across the DOE Complex for cost-savings
- Operations are proceeding as planned, and progress is being made
- Waste treatment and tank closure work reduces the risk for all of us





