



**Savannah River
Remediation**

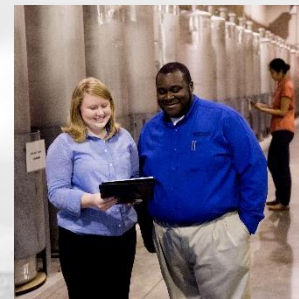
AECOM | BECHTEL | CH2M | BWXT

October 12, 2017

SAVANNAH RIVER SITE LIQUID WASTE PROJECT IN REVIEW

Tom Foster

Savannah River Remediation
President and Project Manager



SRR Parent
Companies



AECOM



ch2m



SRR Significant
Subcontractors



ATKINS



- 6-year base contract, plus 2-year option, for high-level waste cleanup at SRS
- SRR started the contract on July 1, 2009
- DOE extended the contract 2 years to June 30, 2017, then extended to December 31, 2017
 - Current workforce of ~2,100 employees (including subcontractors)
- **Focused on Liquid Waste Mission**
 - High-hazard operations
 - Managing waste tank space
 - Treating and dispositioning waste
 - Complex Engineering, Procurement, & Construction
 - Closing waste tanks

DWPF Melter Work

- Cell cover cleanup for Melter 2 exit route
- Cranes & railroad refurbishment
- Melter 2 removal
- Melter 3 installation
- Melter electrical systems

DWPF Canyons - Balance of Plant

- New Lab sample stations
- Cooling Water System
- Purge Air Compressors
- Safety Grade Nitrogen System
- Shielded Canister Transporter upgrades



What the Work Entails

- Excavation to expose the transfer piping
- Piping modifications to connect SWPF with the liquid waste facilities
- Once the modifications are complete the excavated area will be backfilled

The Major Scopes of Work

- West Transfer Lines
- Tank 49 feed modifications
- DWPF modifications

Completing this work is imperative to SWPF startup



Safety is a value, not a priority

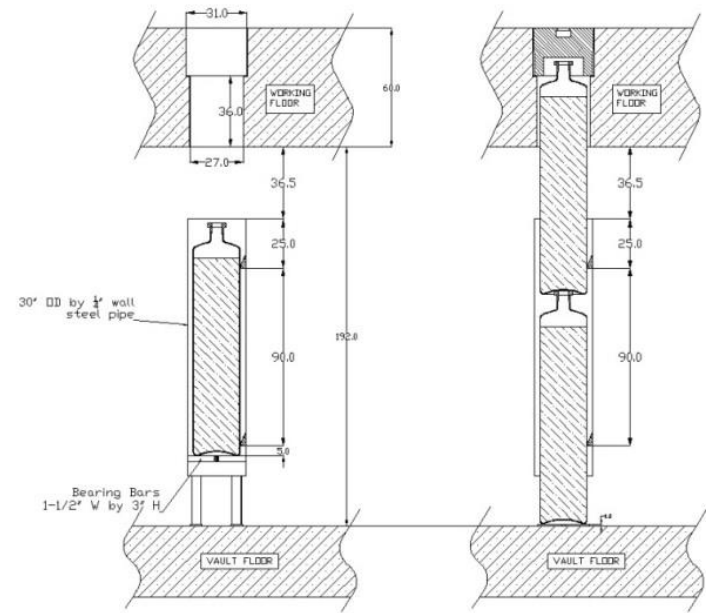
- Promoted strong Nuclear Safety Culture
- Received the Voluntary Protection Program Star of Excellence for safety each year
- Currently at >5 million safe hours
- >29 million safe Construction work hours
- Safety Recognition
 - Received multiple state and national awards each year for safety
 - Voluntary Protection Program Participants Association (VPPPA) Awards:
 - First contractor in DOE complex to have VPPPA National Safety and Health Achievement Award multiple winners in a single year
 - Four consecutive years SRR had a winner



> 2,900 days (the life of the SRR contract) without an Environmental Notice of Violation

- Produced more than 1,500 canisters and poured 6 million pounds of radioactive glassified waste at the Defense Waste Processing Facility
- Designed and executing the DWPF Canister Double Stack Project

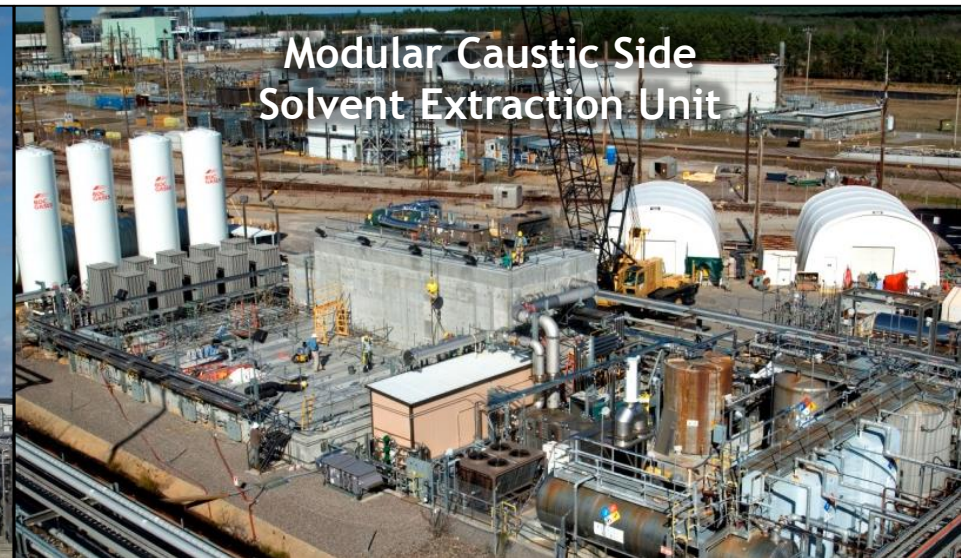
Defense Waste Processing Facility



Contract Accomplishments

- 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
- Implemented Next Generation Solvent into interim waste processing

Piloted and proved the technology for SWPF



Contract Accomplishments

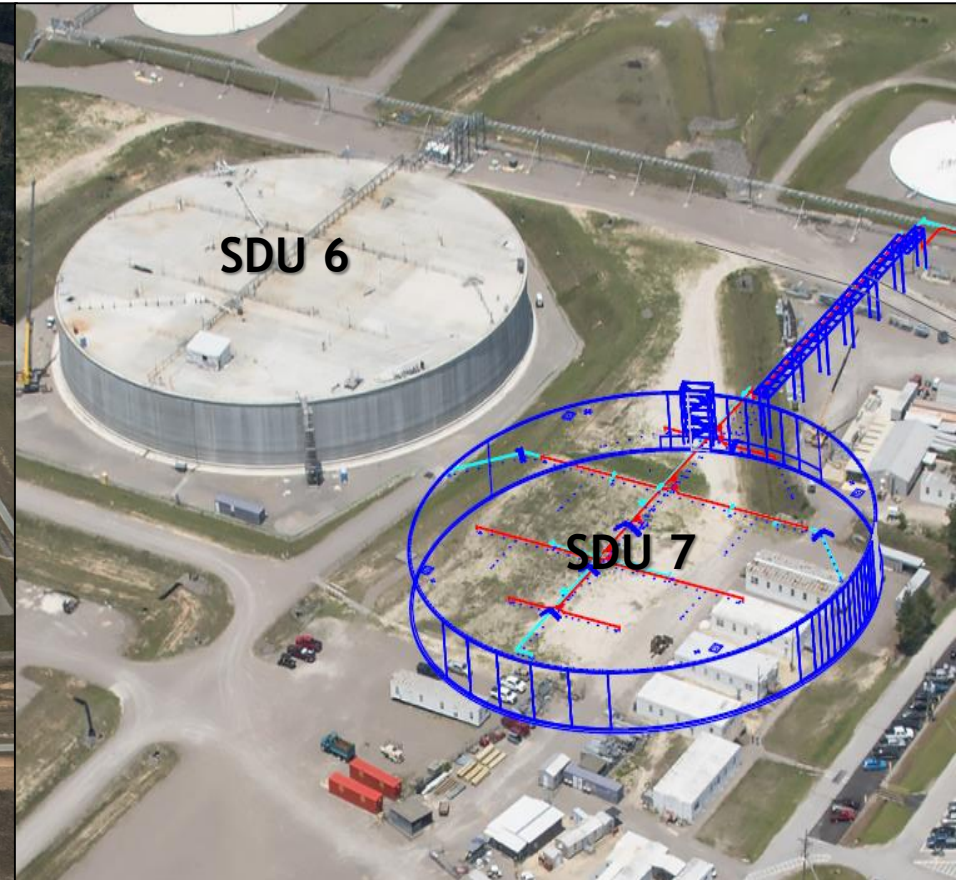
- Stabilized and disposed of more than 10.9 million gallons of low-level liquid waste through the Saltstone facilities

Readied SPF to handle huge SWPF throughput increase



Contract Accomplishments

- Designed and built SRS' first mega-volume (32 million gallons) Saltstone Disposal Unit from the ground up



Completion of SDU 6 construction, which cost \$120 million, came in 16 months ahead of the target schedule and more than \$25 million under the target cost

- Operationally closed six high-level radioactive waste tanks



- First canister to be poured with new melter by year-end
- Early FY18: All required safety basis documentation complete/full operations begin
- Readyng the program for success
- Stage is set for successful new contract implementation



These advancements have and will continue to accelerate the liquid waste mission