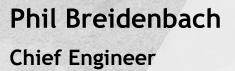


May 21, 2018

SAVANNAH RIVER REMEDIATION UPDATE



















Savannah River Remediation Contract in Perspective

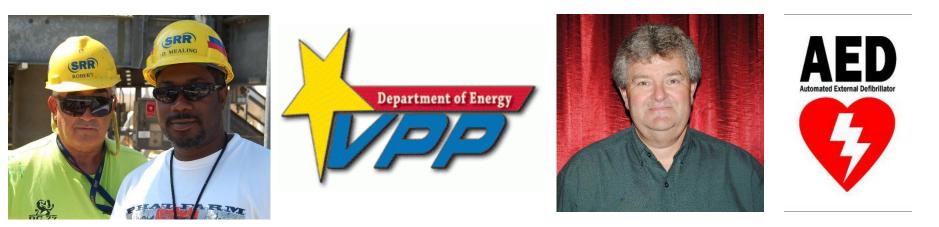


- SRR started the contract on July 1, 2009
- 6-year base contract, plus 2-year option, for high-level waste cleanup at SRS ending June 30, 2017
- DOE intends to extend the contract to March 31, 2019
 - Current workforce of ~2,200 employees (including subcontractors)
- Focused on Liquid Waste Mission
 - High-hazard operations
 - Complex Engineering, Procurement, & Construction
 - Closing waste tanks



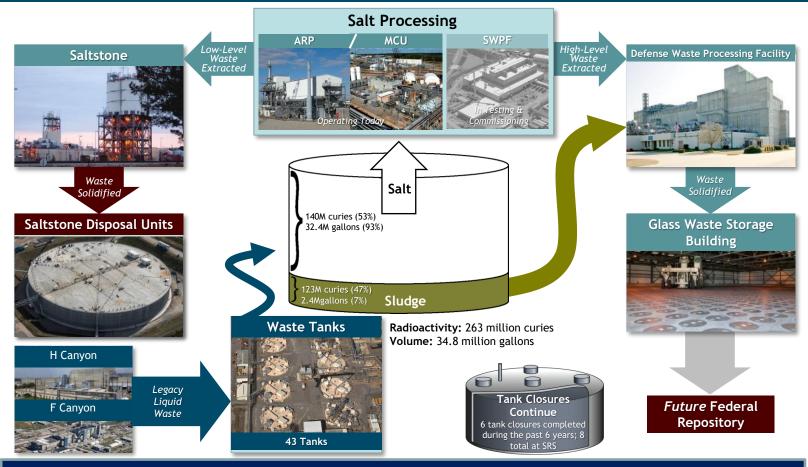


- Record-setting worker safety
 - >8 million total project safe work hours highest total since contract began
 - SRR Construction >29.9 million safe work hours (nearly 20 years)
- Received the Voluntary Protection Program Star of Excellence for safety each year of contract
- Electrical mechanic working night shift suddenly experienced cardiac arrest outside of a facility control room
 - Quick thinking by co-workers saved his life





SRR Waste Tank Cleanup



"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

4



Major Contract Accomplishments

- Produced more than 1,500 canisters and poured 6 million pounds of radioactive glassified waste
- Processed more than 6 million gallons of salt waste
- Stabilized and disposed of more than 10.9 million gallons of low-level liquid waste
- Designed and built SRS' first mega-volume (32 million gallons) Saltstone Disposal Unit
 - Cost \$120 million, came in 16 months ahead of target schedule/more than \$25 million under the target cost
- Operationally closed six high-level radioactive waste tanks







Excellence in Project Management: Saltstone Disposal Units

SDU 6

- DOE Environmental Management Project of the Year Nov. 2017
- DOE Project Management Excellence Award March 2018

• SDU 7

- Completed Phase 1 by removing trailers, structures, yard materials
- Awarded storm water reroute subcontract
- Completed team review of General Site Prep Design
- Secretary of Energy Rick Perry breaks ground on SDU 7 in February
- Work continues on SDUs 8-12
 - Working through design, approvals, etc.
 - Moving the SDUs through together is more efficient for a proven concept







Excellence in Project Management: Tank Closure

- Operationally closed six high-level radioactive waste tanks
 - Tanks 18 & 19 in 2012
 - Tanks 5 & 6 in 2013
 - Tank 16 in 2015
 - Tank 12 in 2016
- 2017 Project Management Institute Award for Project Excellence Tank 12 Closure
 - One of two Global awards given by PMI



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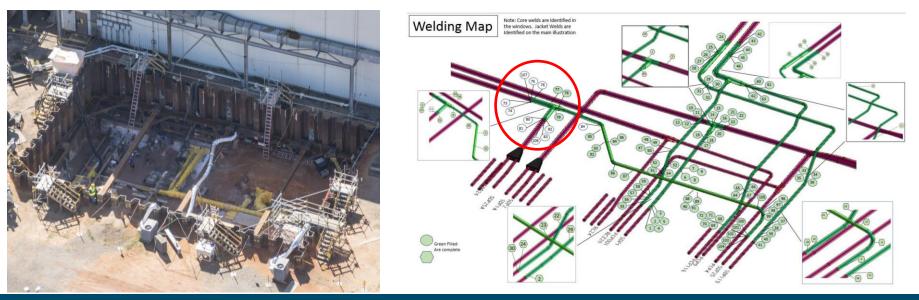
Excellence in Project Management: Salt Waste Processing Facility Tie-ins

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



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Excellence in Project Management: Melter 2

 Over its 14-year lifetime, Melter 2 poured more than 10.4 million pounds of glassified waste, totaling 2,678 canisters

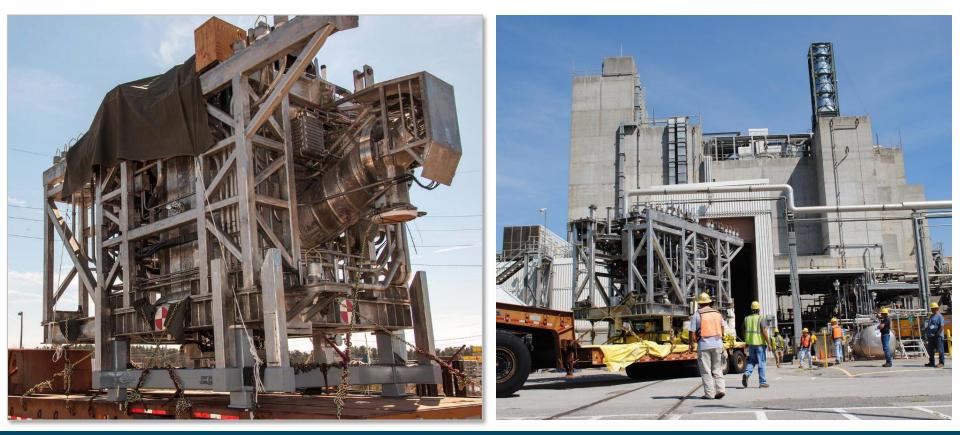


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Excellence in Project Management: Melter 3

 Melter 3 installed, successfully poured 7 canisters at the end of 2017, beginning of 2018





Tank Closure Cesium Removal

- Ion exchange technology provided additional method to remove cesium from waste tanks
- First time a large-scale mobile ion exchange process will be used in the DOE Complex
- Savannah River National Laboratory real waste sample analysis ongoing
- Training and Procedures being developed
- Regulatory/Permit progressing
- Demonstration operations target start is late this year









Ready for the Future

- Completing final pre-flight checks now before liquid waste system begins full production again this month
- Preparing a robust system for future operations
- SRR continues to operate effectively to ensure liquid waste mission accomplished
- Even in ongoing contract extensions, SRR continuing to innovate, operate successfully



Advancements have and will continue to accelerate the liquid waste mission

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