



Savannah River Remediation

Delivering the Mission

We do the right thing.



Dave Olson
President and Project Manager

December 8, 2011

We do the right thing.

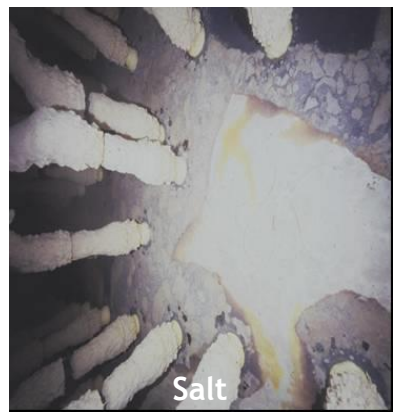
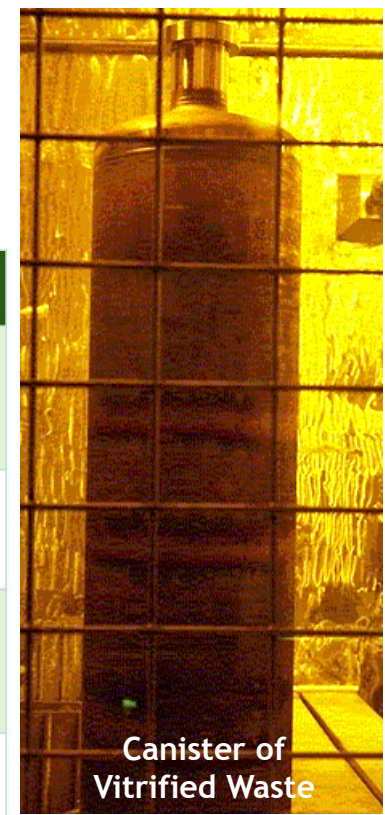
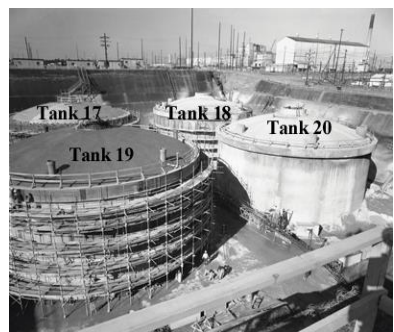
- **SRR: High-hazard, high-risk, complex work daily**
- **SRR Operations employees had the lowest Total Recordable Case rates of any major SRS contractor in over 25 years (0.25 in FY10; 0.27 in FY11). Employees have worked 7+ million hours without a days-away injury**
- **24+ million hours of safe work in Liquid Waste construction**
- **1.5 million hours of safe Recovery Act work**
- **Radiological Performance for the entire contract (July 1, 2009, to September 30, 2011)**
- **Environmental performance since assuming the contract**
 - 0 Notice of Violations
 - 0 Reportable Spills
- **No chemical exposures**

Recent Safety Awards

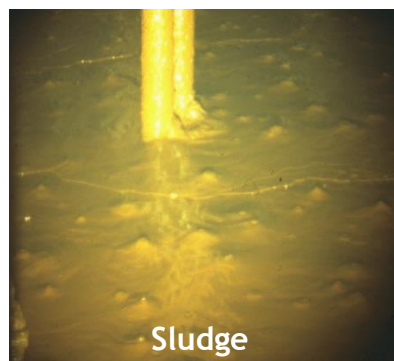
- National Safety Council - Million Hour Award
- National Safety Council - Occupational Excellence Achievement Award (Construction)
- S.C. Chamber of Commerce Annual Commendation of Excellence Award - 2011
- South Carolina Chamber of Commerce Annual Commendation of Excellence Award - 2011 (Construction)



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Cleanup Scope	Accomplishments To Date	By FY 2017
DWPF Canisters Produced	>3,250 of 7,557 Canisters produced	>4,750 of 7,557 Canisters Produced
Salt Solution Processed	>4.6 million gallons of 110 million gallons	>26.5 million gallons of 110 million gallons
Old-style Radioactive Liquid Waste (RLW) Tanks Bulk Waste Removal Effort Complete	12 of 24 old-style RLW Tanks Bulk Waste Removal Effort Complete	19 of 24 old-style RLW Tanks Bulk Waste Removal Effort Complete
Old-style RLW Tanks Closed	2 of 24 old-style RLW Tanks Closed	12 of 24 old-style RLW Tanks Closed



Canister of Vitrified Waste

Sludge

Waste Tanks

Interim Salt Treatment

Saltstone Disposal Units

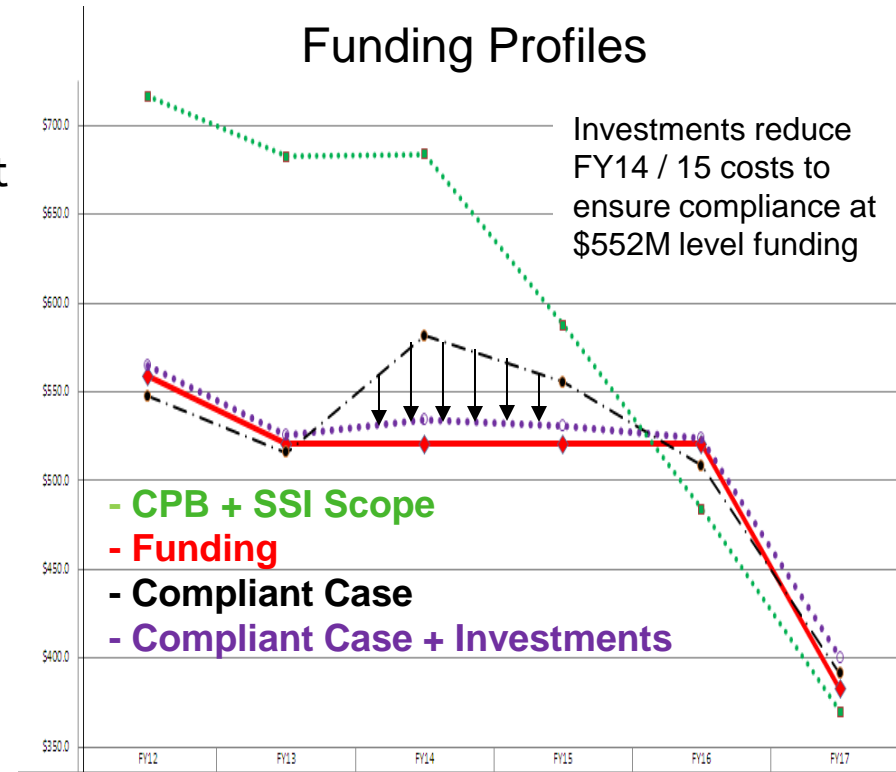
- Staying focused on safety excellence
- Succeeding in keeping multiple stakeholders informed and included as we prepare to operationally close waste tanks
- Maintaining momentum and maximizing progress in waste treatment and tank closure



- SRR workforce restructuring necessary as projected completed and budgets continue to be reduced
- Workforce restructuring program completed through voluntary and involuntary reductions; 86 positions affected
 - Self-Select: 18
 - Involuntary reduction: 48
 - Attrition: 20
- All employees who participated in Self-Select process left the Site on Nov. 30
- Involuntary reductions were made on Monday

CSI addressed a \$200M funding shortfall through “partnering process” delivering;

- Federal Facilities Agreement and Site Treatment Plan compliance through “Just-in-time” Waste Removal and Closure
- Investments to reduce operating/project costs
 - Control Room Consolidation / Automations
 - New Saltstone Disposal Unit strategy
 - Process improvements (i.e. eliminating chemical addition step of the Actinide Removal Process)
- Priority “add backs” to ensure life cycle savings
 - Enhanced Chemical Cleaning (resume 2015)
 - Select tank cleaning acceleration
- Suspension of less critical near-term projects
 - Small Column Ion Exchange (resume 2015)
 - Next generation solvent (deploy at SWPF)

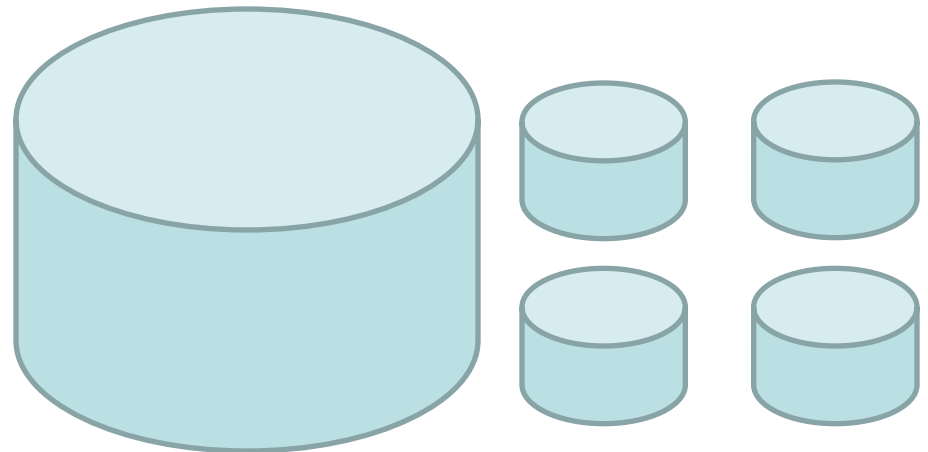


*CSI is successful through
Early Investment*

- **Combines 4 separate control rooms into one Consolidated Control Room**
- **Benefits**
 - Improved safety environment
 - Enhanced conduct of operations and command/control
 - Simplified communications
 - Consolidate and standardize operator interface
 - Integrated computer system
- **Cost savings**
 - ~\$21M for FY12-FY17
 - ~\$54M lifecycle



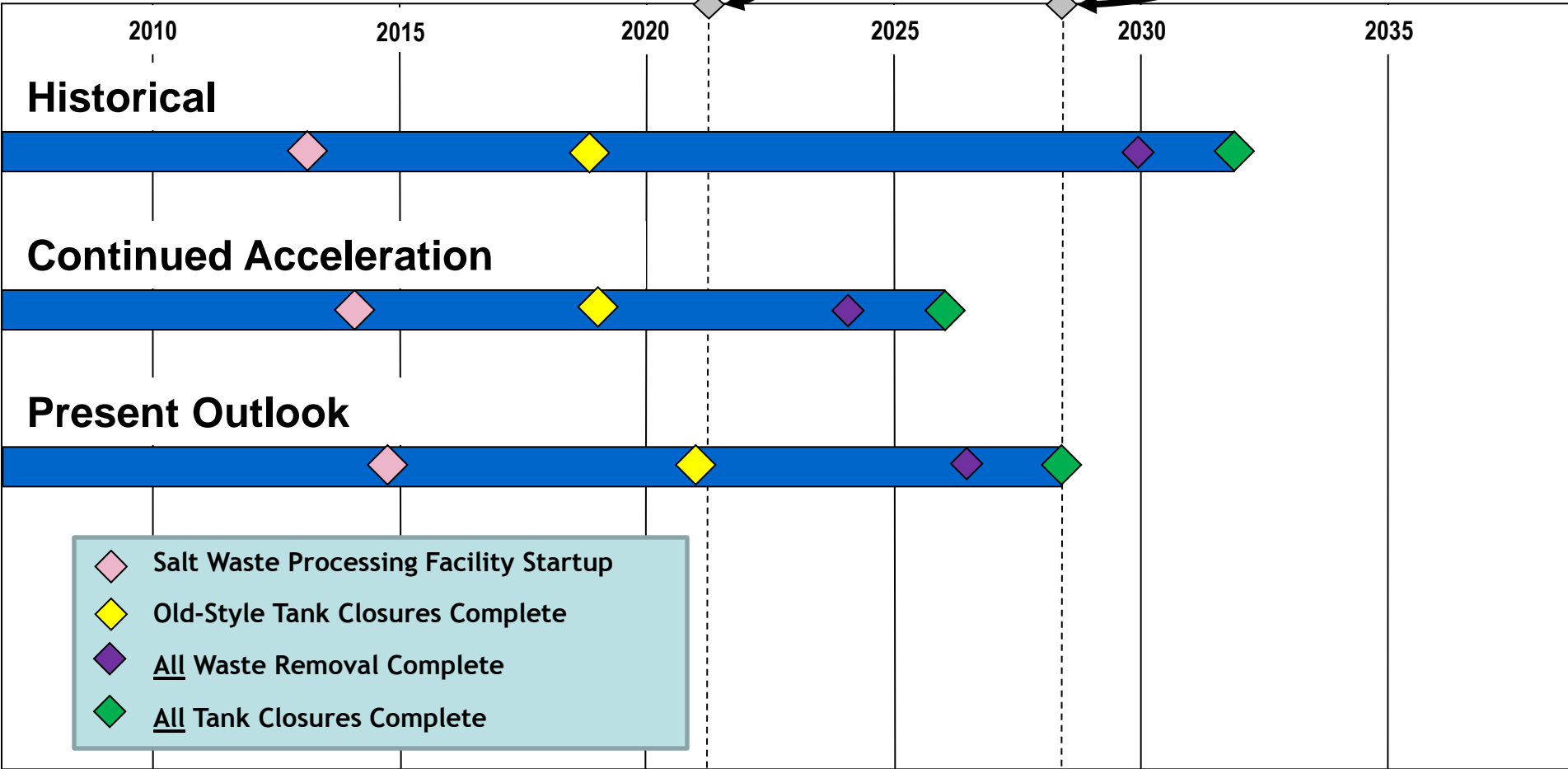
- Replace current Salt Disposal Units (SDUs) design with a Mega-SDU design
- Each Mega-SDU will provide disposal capacity equivalent to approximately 10 previously planned SDUs.
- **Benefit**
 - Reduces project costs associated with construction installation materials and schedules
- **Cost savings**
 - ~\$97M from FY12-FY17
 - ~\$487M lifecycle



SRS Liquid Waste Processing and Tank Closure

Federal Facilities Agreement
commitment for closure of old
style tanks

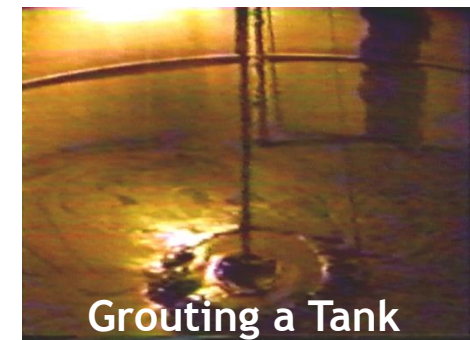
STP commitment for
completion of waste
removal



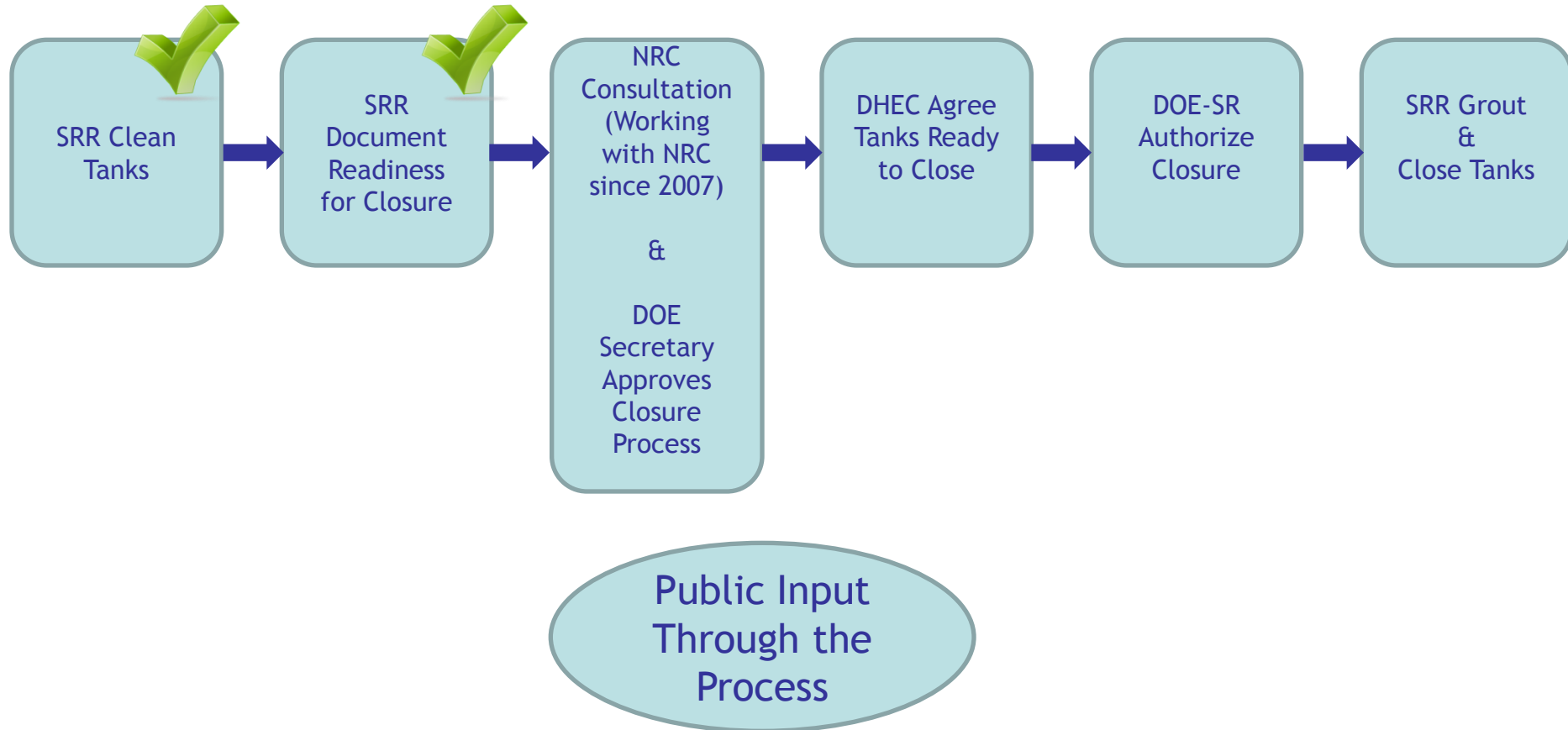
- Salt Waste Processing Facility Startup
- Old-Style Tank Closures Complete
- All Waste Removal Complete
- All Tank Closures Complete

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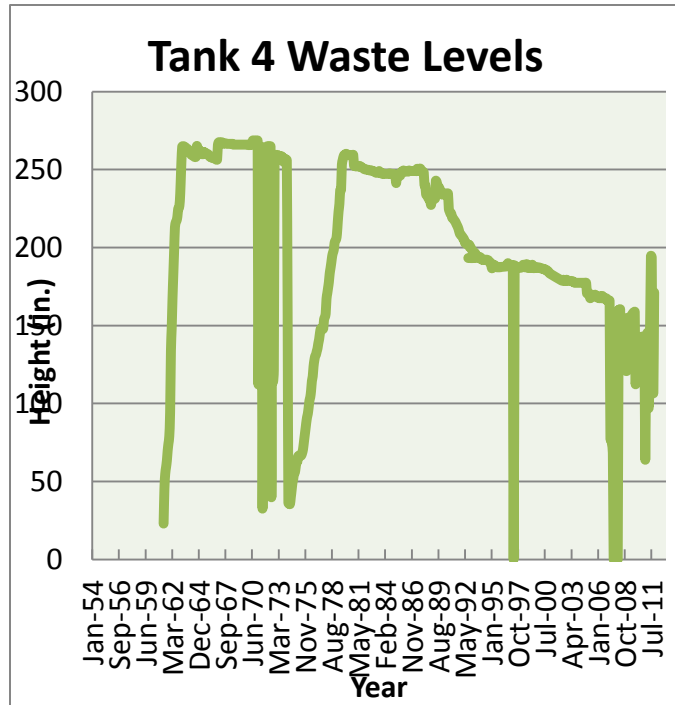
Waste Processing: 27 Tanks (New Style)



Save the Date!
October 2, 2012
Closure of
Next 2 Tanks



* The Technical Evaluation Report (TER) for the Draft Waste Determination for the F-Area Tank Farm Facility at the Savannah River Site is now publicly available in the NRC's Agencywide Documents Access and Management System (ADAMS) under accession number ML112371751. The TER can also be accessed using the following link <http://adamswebsearch2.nrc.gov/IDMWS/ViewDocByAccession.asp?AccessionNumber=ML112371751>. ADAMS is accessible via the Agency's website at: <http://www.nrc.gov/reading-rm/adams.html#web-based-adams>.



2003



2011



- **Routine annual inspections found a hairline crack in the upper weld of Tank 4**
 - Crack is over five feet above the current liquid level in the tank
- **The tank remains structurally sound**
- **No impact on safety or operations/no release to the environment**
- **Condition is not unexpected/no significant impact on the remaining activities planned in Tank 4**



- Keep an eye on accelerated progress being made in risk reduction in high-level waste treatment and disposition, then tank closure
- Recognize funding required to maintain progress and meet regulatory commitments tank closure
- Participate, if possible, in the process established for waste determination and tank closure at SRS