

Liquid Waste ARRA Scope of Work

Citizens Advisory Board Waste Management Committee

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**Presentation By
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Purpose & Acronyms

- Provide information on the Liquid Waste American Reinvestment and Recovery Act Scope of Work
- Acronyms
 - ARRA American Reinvestment and Recovery Act
 - DWPF Defense Waste Processing Facility
 - SRR Savannah River Remediation, LLC
 - SWPF Salt Waste Processing Facility



Schedule Highlights

- SRR 180 Day Plan & ARRA Deliverables 10/20
- SRR Technical, Cost & Fee Proposal 11/16
- SRR Liquid Waste ARRA Performance Baseline 1/20
- Agreement on Definitization of ARRA Work 2/24
- Execute Definitization Contract Modification 3/16



Funding & Jobs

- Funding - \$200 M Total
 - \$100 M in FY2010
 - \$100 M in FY2011
- Separate Accounting/Reporting
- 480 jobs created/retained



Liquid Waste ARRA Scope

SWPF Integration - Tank Farm Infrastructure for Feed Readiness

- Design and purchase 4 salt blend mixer pumps (Tanks 35,41,50, spare)
- Purchase 4 replacement mixer pumps (Tank 51)
- Design and effect modifications to tank top to support mixer/transfer pump installation and install one mixer pump (Tank 51)
- Radiation shielding for waste processing tank (Tank 50)
- Design and install chemical addition and transfer process piping
- Enhance Saltstone Facility waste feed storage capability
- Increase nitrogen tank capacity at DWPF



Liquid Waste ARRA Scope

Tank Farm Infrastructure Improvements

- Replace computer control systems
- Replace underground steam system utility piping
- Replace chromate cooling water system utility piping
- Replace underground well water system utility piping
- Replace underground plant and instrument air system utility piping
- Replace condensate / overhead piping for 2H & 2F evaporators
- Relocate and install mixer pumps and refurbish tanks for cleaning prior to closure (Tanks 5 & 6)



Liquid Waste ARRA Scope

Salt Waste Processing Improvements

- Replace Saltstone Facility grout piping, hopper, hopper agitator, and pulsation damper systems
- Purchase replacement Saltstone Facility air compressor, mixers, vault cameras, and grout pump systems

Sludge Processing Improvements

- Tank 13 mixing, transfer, cooling, and ventilation systems installed to support sludge feed preparation
- Install bubblers in DWPF melter
- Upgrade support equipment to accommodate DWPF melter bubblers



Liquid Waste ARRA Scope

DWPF Infrastructure Improvements

- Refurbish cooling tower
- Replace argon tank
- Replace safety computer control systems
- Replace ventilation system (Zone 2)
- Purchase replacement electro-mechanical manipulators
- Purchase replacement bellows for DWPF melter

Safety Improvements

- Install computer-based security badge accountability system at Saltstone Facility
- Install system to divert surface water for sufficient drainage for Vault 4



Liquid Waste ARRA Scope

- Work Safely
- Execute Scope
- Create & Report Jobs
- Full Cost Accounting

