

Savannah River Recovery Act Program

*Office of Environmental Management
Savannah River Operations Office
Savannah River Site
Aiken, South Carolina*



Savannah River Site Citizens Advisory Board Meeting

Update on Savannah River Recovery Act Program

May 25, 2010

Presented by

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Savannah River Recovery Act Program



Recent Successes

❖ TRU

- 432 cubic meters repackaged (Jan-April 2010)
- 800 cubic meters disposed of to date under ARRA
- Grand Total of 6,777 cubic meters disposed of from site (Since May 2001)

❖ HWCTR

- Issued EE/CA and Action Memo (March 2010)
- Grouting the Spent Fuel Pool (April 2010)

❖ P-Reactor

- Startup of P Disassembly Basin water evaporators

❖ R-Reactor

- Completed grouting 1 section of the R Disassembly Basin (March 2010)
 - Discharge and Exit Canal
- Awarded the final 2 contracts for completion of decommissioning R Area (April 2010)
 - Stack removal and grouting placement
 - Sealing the building and modification of roofs

❖ M-Area

- Soil Remediation field work completed (April 2010)



D&D Employee cuts through the steel dome of HWCTR



Shipment of TRU Waste departs E Area for WIPP



Performance Evaluation & Measurement Plan



PEMP- What is to be achieved

- ❖ **FOOTPRINT REDUCTION → 67%**
 - Complete ER and D&D
 - Achieve “area completions”
 - Includes in situ decommissioning of the three reactors

- ❖ **LEGACY TRU → Disposition 5,000 cubic meter**
 - Disposition 5,000 cubic meters
 - Maintain feed rate to WIPP

- ❖ **LEGACY TRU → Disposition final 200 cubic meters “very difficult”**
 - Super Stretch for dispositioning 200 cubic meters



TRU Waste shipment leaves SRS for WIPP



First grout pour at HWCTR April 10'



TRU Scope Comparison

April 2009 Scope

April 2010 Scope

TRU Waste Disposition



- 1,620 cubic meters packaged and shipped in small containers
- 2,880 cubic meters staged for packaging

- 5,000 cubic meters packaged and shipped in small containers
- Very Difficult Waste Plan
- Aggressive size reduction of 3,380 cubic meters
 - Increased Workfronts
 - Increased Shift Work
 - Facility Upgrades
 - Contamination & Dose Risk



Re-Apportionment



Project	Current Apportionment	Re-distribution Request	Proposed Apportionment
P&R Areas Completion	\$478,400,000	(\$74,137,050)	\$404,262,950
M&D Areas Completion	\$104,000,000	(\$82,650,598)	\$21,349,402
Soil & Groundwater Sitewide	\$292,000,000	(\$62,816,015)	\$229,183,985
TRU & Solid Waste	\$541,000,000	\$219,603,663	\$760,603,663
Liquid Waste (SRR Scope)	\$200,000,000	\$0	\$200,000,000
Total	\$1,615,400,000	\$0	\$1,615,400,000



❖ Major progress achieved under ARRA

- TRU- 800 cubic meters disposed of to date
- P, R and HWCTR closure activity underway
- M-Area soil remediation field work completion

❖ Aggressive/ Manageable plans for continued progress

- PEMP
- Re-Appportionment
- Focused
 - Footprint Reduction
 - TRU Disposition

