

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

July 26, 2010

Presented by

Zack Smith, Director

Savannah River Recovery Act Program

Recent Successes

- ❖ TRU
- ❖ HWCTR
- ❖ P Reactor
- ❖ R Reactor
- ❖ P & R Ash Basin
- ❖ K Cooling Tower



Grouting at P Reactor

- ❖ **Completed 248 drums at F Canyon Drum Operations**
- ❖ **Completed repackaging 6 Large Steel Boxes into 95 containers at H Canyon Operations**
- ❖ **Removed 277 drums from Pad 1 Culverts at E Area**
- ❖ **Shipped 82 cubic meters of TRU waste to WIPP**



TRU Pad 1 7/8/2010

- ❖ Completed removal of shield ring
- ❖ Completed cutting of second access door
 - Installed protective cover over door
- ❖ Continued oil draining
- ❖ Continued moderator piping and interference removal
- ❖ Tested pipe cutting tools on a mockup pipe in preparation for cutting/capping of piping connected to Vessel



D&D Crews completed cutting a second access door

P Reactor

- ❖ **Initiated grout plant operations in P Area**
- ❖ **Initiated grout placements in P Reactor**
- ❖ **Disassembly Basin Water evaporated over 2.2 M gals to date**



Grout production operations

R Reactor

- ❖ Completed oil and moderator draining at -20 elevation
- ❖ Grouted Disassembly Basin areas to -2 foot elevation
- ❖ Continued removal of handrails and walkways to prepare for demolition of structure
- ❖ Continued moderator and oil draining at -40 elevation



Employees remove interferences



Preparation for demolition of the basin structure

P & R Ash Basins

P Ash Basin

- ❖ Completed tree removal and chipping activities and equipment decontaminated
- ❖ Soil Stockpiling efforts continue
 - Over 62,8000 cubic yards



P Area Ash Basin Chipping and Vegetation Removal

R Ash Basin

- ❖ Completed 17-acre vegetation chipping / removal
- ❖ Completed soil stockpiling for Basin cover
 - 62,000 cubic yards of soil from onsite Borrow Pit
- ❖ Completed Hydroseeding for soil stabilization
- ❖ Awarded Contract for final remediation



R Ash Basin Hydroseeding

K-Cooling Tower

- ❖ Safely and successfully imploded the 185-3K Cooling Tower
- ❖ Initiated commercial recycling of rebar



- ❖ **Major progress achieved under ARRA**

- ❖ **Aggressive / Manageable plans for continued progress**
 - **Focused**
 - **Footprint Reduction**
 - **TRU Disposition**