Savannah River Site
Citizens Advisory Board Meeting

Update on
Savannah River Recovery Act Program

January 25, 2011

Presented by
Zack Smith, Director
Savannah River Recovery Act Program
Project Status – HWCTR

данен текст е добре четим и се вкара в текстовата база.
Achievements and Path Forward – HWCTR

- Removal of Nozzle from Annular Space
- Reactor Vessel Shield Block Removal
- Cutting of HWCTR Access Door
- Removal of Nozzle from Annular Space
P Ash Basin

Scope of Work:

- 40 acres in size; received ash sluice water from P Powerhouse operations (1953-1991)
- Consolidate ash into basin; install 2-foot thick non-structural soil cover over consolidated ash and soil

Achievements & Path Forward:

- Remediation work continues
- Expected to complete on schedule and below cost estimates
R Ash Basin

❖ Scope of Work:

- 14 acres in size; received ash sluice water from R Powerhouse operations (1953-1964)
- Consolidate ash into basin; install 2-foot thick non-structural soil cover over consolidated ash and soil

❖ Achievements & Path Forward:

- Declared mechanically complete
Achievements and Path Forward – P & R Ash Basins

Remediation work at P Area Ash Basin

Completed sod installation at R Area Ash Basin
Project Status – P & R Reactor

Scope of Work:
- Grout reactor building below grade, vessel, disassembly basin
- Modify selected roofs for drainage
- Remove stack to +55 foot-level
- Seal reactor building exterior

Achievements:

P Reactor
- Over 89,000 of 100,000 cubic yards of grout placed in reactor
- Disassembly basin water evaporation completed (4 million gallons)
- Completed Reactor Cap placement and all Reactor below grade grout pours
- 7 of 9 roof grouting placements completed
- Estimated completion April 2011

R Reactor
- Grouting in disassembly basin now completed
- Over 86,000 of 96,000 cubic yards of grout placed in reactor
- Scaffolding being erected to support roof modifications
- Estimated completion June 2011
Achievements and Path Forward – P & R Reactor

R Reactor Disassembly Basin Before Grouting

R Reactor Disassembly Basin After Grouting
Project Status – TRU

Scope of Work:
- Disposition 5,000 cubic meters legacy waste by December 2012

Achievements & Path Forward:
- F-Box construction complete in Truckwell, startup anticipated in March
- Cell 11 construction complete, hot operations startup January 7
- Pad 16 all containers removed
- Completed early F-Box campaign in H-Canyon (43 SLBs)
- Four areas operating to support TRU dispositioning by April 2011
TRU Legacy Waste Program

- **ARRA Shipped to Date**
- **ARRA Processed to Date**
- **ARRA Scope (April 2009 - December 2012)**
- **Pre-ARRA Scope (FY01 - April 2009)**

**Volume (cubic meters)**:
- ARRA 5,000 m³

**Plutonium Equivalent Curta (PEC)**:
- 400,000
- 350,000
- 300,000
- 250,000
- 200,000
- 150,000
- 100,000
- 50,000

**Status Date**: December 2010
TRU Accomplishments

Total Legacy TRU Program Waste Disposition
TRU Waste
Through January 13, 2011
## Footprint Reduction

<table>
<thead>
<tr>
<th>Plan/Start Date</th>
<th>Actual Start Date</th>
<th>Area</th>
<th>Waste Unit / Facility</th>
<th>Waste Minus Square Min / Completed</th>
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<td>Jan 30</td>
<td>P-Area</td>
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**Total** | **22.2**
## Footprint Reduction

<table>
<thead>
<tr>
<th>Planned Date</th>
<th>Actual Date</th>
<th>Area</th>
<th>Waste Units / Facilities</th>
<th>Square Miles</th>
<th>Square Miles Completed</th>
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<tr>
<td>Jan-10</td>
<td>Jan-10</td>
<td>P Area</td>
<td>P-AREA REACTOR AREA CASK CAR RR TRACKS, NBN</td>
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<td>P Area</td>
<td>ECODS P-2 (South of P-Area) (Issue ROD)</td>
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<td>ECODS R-1A, -1B, -1C (EAST OF R REACTOR) (Issue ROD)</td>
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<td>RUBBLE PILE ACROSS FROM GUNSITE 012, NBN</td>
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<td>POTENTIAL RELEASE FROM P-AREA RX COOLING WATER, 186/190-P (Issue ROD)</td>
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<td>SPILL ON 3/15/79 OF 300 GALS OF CONTAM WATER, NBN</td>
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<td><strong>Total Sq Miles</strong></td>
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<td><strong>122.2</strong></td>
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Summary

- Major progress achieved under ARRA
  - 992 cubic meters of TRU shipped to date
  - 2,540 cubic meters of TRU processed to date
  - 122.2 miles Footprint Reduction achieved

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

Cell 11 Operations
SRS Footprint Reduction

For more information, visit: http://www.srs.gov/recovery/srsmap

EM Footprint Reduction by FY11

- P&R: 20% 84.7 miles
- M&D: 26% 81.3 miles
- Sitewide: 21% 50.45 miles
- Total: 67% 216.45 miles

EM Footprint Reduction by FY12

- P&R: 8% 17.1 miles

Total Percentage: 75%
Total Square Miles: 233