SRS Environmental Management Appropriations, Budget & Workforce Updates

Doug Hintze
AMMS / CFO
DOE-Savannah River

South Carolina Governor’s Nuclear Advisory Council
January 9, 2014
Provide updates:

- FY 2013 Accomplishments
- Lapse of Appropriations
- Fiscal Year 2014 Continuing Resolution
- SRS Workforce
<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARP/MCU</td>
<td>Actinide Removal Process (ARP) /Modular Caustic Side Extraction Unit (MCU)</td>
</tr>
<tr>
<td>CERCLA</td>
<td>Comprehensive Environmental Response, Compensation and Liability Act</td>
</tr>
<tr>
<td>D&amp;D</td>
<td>Deactivation &amp; Decommission</td>
</tr>
<tr>
<td>DWPF</td>
<td>Defense Waste Processing Facility</td>
</tr>
<tr>
<td>EM</td>
<td>Environmental Management</td>
</tr>
<tr>
<td>FY</td>
<td>Fiscal Year</td>
</tr>
<tr>
<td>LW</td>
<td>Liquid Waste</td>
</tr>
<tr>
<td>MOX</td>
<td>Mixed Oxide (mixture of plutonium and uranium oxides)</td>
</tr>
<tr>
<td>NNSA</td>
<td>National Nuclear Security Administration</td>
</tr>
<tr>
<td>RCRA</td>
<td>Resource Conservation and Recovery Act</td>
</tr>
<tr>
<td>SRNL</td>
<td>Savannah River National Laboratory</td>
</tr>
<tr>
<td>SRNS</td>
<td>Savannah River Nuclear Solutions</td>
</tr>
<tr>
<td>SRR</td>
<td>Savannah River Remediation</td>
</tr>
<tr>
<td>TRU</td>
<td>Transuranic Waste</td>
</tr>
<tr>
<td>WSI</td>
<td>Site Security Contractor</td>
</tr>
</tbody>
</table>
FY 2013 Accomplishments

Site-wide

- Exceeded the Department’s safety goal; Total Recordable Case (TRC) rate at 0.75 and Days Away, Restrictions or Transfers (DART) case rate at 0.31 (vs DOE-HQ Goal of TRC of 1.1 and DART of 0.6)
- Savannah River Operations Office’s American Recovery and Reinvestment Act (ARRA) Project was one of three finalists, world-wide, for Project Management Institute’s (PMI) Project of the Year Award for 2013
- Completed first year of operations for the Biomass Cogeneration Facility safely meeting the Site’s steam demand, generating 97,000 megawatts of electricity, and avoiding 100,000 tons of greenhouse gas emissions
- Under the Asset Revitalization Program, coordinated with the Savannah River Community Reuse Organization to remove 126,000 feet of railroad, 57,505 feet of steam lines, 26 pieces of heavy equipment, and 8 trailers
- Finalized more than 99% of contract modifications within 180 days

Nuclear Materials/Spent (Used) Nuclear Fuel

- Initiated preparations for receipt of Canadian liquid highly enriched uranium
- Continued processing potentially vulnerable fuels through H-Canyon
- Continued start-up preps for production of plutonium oxide suitable for use in the Mixed Oxide Fuel Fabrication Facility
- Initiated Building 235-F risk reduction activities
- Continued receipt and safe storage of Foreign Research Reactor (FRR) /Domestic Research Reactor spent (DRR) (used) nuclear fuel [1 FRR & 5 DRR receipts]
Solid Waste
- Completed remediation of legacy TRU waste
- Completed 179 TRU shipments (1,168 cubic meters) to the Waste Isolation Pilot Plant
- Completed construction of solid waste disposal Engineered Trench #3

Liquid waste
- Vitrified 225 canisters of Radioactive Waste, producing 40 canisters in August (new record for a month)
- Processed 1.3 million gallons (new record) through the Actinide Removal Process (ARP) / Modular Caustic Side Extraction Unit (MCU)
- Saltstone Production Facility processed 2.0 million gallons of Salt Solution (new record)
- Continued closure activities for Liquid Radioactive Waste Tanks 5 and 6
- Attained 72% construction complete on Salt Waste Processing Facility
- Completed Saltstone Disposal Unit 3/5 project

Soil and Groundwater
- Remediated 400th (out of 515) Federal Facility Agreement (FFA) waste unit
- Met all (100) Resource Conservation and Recovery Act (RCRA) / Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) milestones and commitments on or ahead of schedule

Savannah River National Laboratory
- Partnered with Clemson University to design the world’s highest power output electrical grid simulation laboratory
- Collaborated with the Tokyo Electric Power Company to address decommissioning and environmental cleanup at the damaged Fukushima Daiichi Nuclear Site

SRS Delivers!
Lapse of Appropriations
Lapse of Appropriations - Background

- Federal Fiscal Year (FY) Starts October 1
- In anticipation of a possible Government Shutdown due to a lack of appropriations authorization for FY 2014, SRS developed plans to stretch some limited FY 2013 carryover funds into FY 2014
- Various levels of operation were considered for the Site Contractors (SRNS, SRR and WSI):
  - Normal Operations
  - Minimum Safe
  - Safe & Secure
  - Imminent Harm Avoidance