Enterprise SRS

FY 2013 and FY 2014 Budget

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Office of Integration and Planning
DOE-Savannah River

Governor’s Nuclear Advisory Council Meeting
June 13, 2013
Purpose

- SRS Office of Environmental Management (EM) FY 2013 and FY 2014 budget update
- FY 2014 budget impacts on SRS Liquid Waste Program
FY 2012 Accomplishments

- Produced record amount of Radioactive Waste (Canisters) ~ 275 Canisters
  - Highest 12-month production since start of Defensed Waste Processing Facility (DWPF) operations in 1996 – produced 338 canisters (June 2011 to June 2012)
- Closed only two High Level Waste Tanks within the last 15 years
- Initiated processing of vulnerable fuels through H-Canyon
- Packaged ~ 700 overpack containers of non-Moxable Plutonium to ship to WIPP for disposition
- Continued receipt and safe storage of spent (used) nuclear fuel
- Completed outage of Saltstone Production Facility and Actinide Removal Process (ARP) /Modular Caustic Side Extraction Unit (MCU) to position these facilities for extended, reliable operations
- Best year ever for Transuranic Waste (TRU) under American Recovery and Reinvestment Act (ARRA) shipments to Waste Isolation Pilot Plant (WIPP)
  - Shipped ~ 1050 cubic meters
- Completed ARRA initiative to reduce industrial footprint by 85% verse the 75% originally planned
- Completed Deactivation and Decommissioning (D&D) of three Reactors under ARRA
  - Close-out packages for P-Area, R-Area, and Heavy Water Components Test Reactor (HWCTR) completed
Initial FY 2013 Continuing Resolution (CR) through March 27, 2013

Sequestration Initiated March 1, 2013
- Original reduction – $109 billion (9.4%)
- Revised reduction - $85 billion (7.7%)

Full-year CR approved March 26, 2013
<table>
<thead>
<tr>
<th>EM BUDGET ($M)</th>
<th>FY 2012 Omnibus</th>
<th>FY 2013 Congressional Request</th>
<th>FY 2013 Enacted</th>
<th>FY 2013 w/Reprogramming</th>
<th>FY 2014 Congressional Request</th>
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<td>PBS 11C Nuclear Materials.</td>
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<td>SRS EM Programs Budget Authority</td>
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Congressional Budget Request

Planned Accomplishments

- Produce ~ 230 canisters at the Defense Waste Processing Facility
- Continue closure activities for Tanks 5 and 6
- Process 1.4 million gallons of salt tank waste in ARP / MCU and dispose over 2.8 million gallons of low-activity waste onsite in the Saltstone Disposal Units
- Continue construction of the Salt Waste Processing Facility
- Continue processing at-risk Sodium Reactor Experimental vulnerable fuel and initiate preparations for receipt of Canadian liquid Highly Enriched Uranium
- Initiate production of plutonium oxide suitable for use in the Mixed Oxide Fuel Fabrication Facility (funded by NNSA)
- Continue receipt of Foreign Research Reactor/Domestic Research Reactor UNF and limited implementation of Augmented Monitoring and Condition Assessment Program of UNF in wet storage
- Continue disposition of site’s contact-handled legacy transuranic waste
- Store and ship non-Moxable plutonium to the Waste Isolation Pilot Plant
- Continue processing of low-level and mixed low-level radioactive waste and disposal operations in E Area
- Initiate Building 235-F Risk Reduction scope to meet Implementation Plan for DNFSB’s Recommendation 2012-1
- Meet regulatory commitments and continue operations of remedial systems

Challenges

- Bringing Site Risk Management Operations back up to full operations following continuing resolution period and short work week furloughs
- Cost and schedule overruns at SWPF
Mitigating Actions

- Implemented Workforce Restructuring (WFR)
  - Management and Operating contractor – 840
  - Liquid Waste contractor - 60
- Deferred non-mission essential scope
- Congressional legislature reduced FY 2013 planned pension contributions by ~ $70M
- Requested and received approval of a formal Congressional Reprogramming of funds to alleviate the impacts to the Site Risk Management Operations Control Point (Nuclear Material, Spent Nuclear Fuel, Solid Waste, and Soil & Groundwater Programs)
Congressional Budget Request

- **Planned Accomplishments**
  - Produce ~100 canisters at the Defense Waste Processing Facility
  - Complete closure activities for Tanks 5 and 6
  - Process 1 million gallons of salt tank waste in ARP / MCU and dispose over 2 million gallons of low-activity waste onsite in the Saltstone Disposal Units
  - Continue construction of the Salt Waste Processing Facility
  - Complete processing at-risk Sodium Reactor Experimental vulnerable fuel and initiate processing of other aluminum-clad Used Nuclear Fuel (UNF) and Canadian liquid Highly Enriched Uranium
  - Continue production of plutonium oxide suitable for use in the Mixed Oxide Fuel Fabrication Facility (funded by NNSA)
  - Continue receipt of Foreign Research Reactor/Domestic Research Reactor UNF and limited implementation of Augmented Monitoring and Condition Assessment Program of UNF in wet storage
  - Continue disposition of site’s contact-handled legacy transuranic waste
  - Store and ship non-Moxable plutonium to the Waste Isolation Pilot Plant
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  - Continue Building 235-F Risk Reduction scope to meet Implementation Plan for DNFSB’s Recommendation 2012-1
  - Meet regulatory commitments and continue operations of remedial systems

- **Challenges**
  - Possible Liquid Waste Contractor WFR at projected funding level for Radioactive Liquid Tank Waste Program
  - Bringing H-Canyon back up to full operations with 3 dissolvers will require vigilance by the contractor to ensure safe, efficient operations
  - Cost and schedule overruns at SWPF
QUESTIONS