



U.S. DEPARTMENT OF
ENERGY

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

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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



Budget Challenges

- **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**



Savannah River Operations Office

Environmental Management Budget

| EM BUDGET (\$M) | FY 2012 Omnibus | FY 2013 Congressional Request | FY 2013 Enacted | FY 2013 w/Reprogramming | FY 2014 Congressional Request |
|---|--------------------|-------------------------------------|--------------------|----------------------------|-------------------------------------|
| PBS 11C Nuclear Materials. | 219 | 274 | 206 | 265 | 272 |
| PBS 12 Used Nuclear Fuel | 41 | 44 | 38 | 40 | 45 |
| PBS 13 Solid Waste | 34 | 67 | 31 | 43 | 60 |
| PBS 30 Soil & Water Remediation | 42 | 59 | 38 | 50 | 55 |
| SRS Risk Management Operations | 340 | 444 | 313 | 398 | 432 |
| PBS 14C Radioactive Liquid Tank Waste | 665 | 698 | 613 | 613 | 553 |
| PBS 14C Glass Waste Storage Bldg #3 | 4 | 0 | 3 | 0 | 0 |
| PBS 14C Salt Waste Processing Facility | 170 | 23 | 156 | 72 | 92 |
| Environmental Cleanup | 1,175 | 1,165 | 1,085 | 1,083 | 1,077 |
| PBS 100 Community & Regulatory Support | 10 | 17 | 9 | 11 | 11 |
| PBS 20 Safeguards & Security | 130 | 122 | 120 | 120 | 121 |
| SRS EM Programs Budget Authority | 1,314 | 1,304 | 1,214 | 1,214 | 1,209 |



FY 2013 Planned Accomplishments

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)



FY 2014 Budget Overview

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
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➤ 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

