



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

SRS Environmental Management Appropriations, Budget & Workforce Updates

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Provide updates:

- FY 2013 Accomplishments
- Lapse of Appropriations
- Fiscal Year 2014 Continuing Resolution
- SRS Workforce

Acronyms

ARP/MCU	Actinide Removal Process (ARP) /Modular Caustic Side Extraction Unit (MCU)
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
D&D	Deactivation & Decommission
DWPF	Defense Waste Processing Facility
EM	Environmental Management
FY	Fiscal Year
LW	Liquid Waste
MOX	Mixed Oxide (mixture of plutonium and uranium oxides)
NNSA	National Nuclear Security Administration
RCRA	Resource Conservation and Recovery Act
SRNL	Savannah River National Laboratory
SRNS	Savannah River Nuclear Solutions
SRR	Savannah River Remediation
TRU	Transuranic Waste
WSI	Site Security Contractor

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]

FY 2013 Accomplishments (cont.)

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