

U.S. DEPARTMENT OF
ENERGY

**FY 2012 Environmental Management
President's Budget Request
Savannah River Operations Office**

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Office of Environmental Management
Savannah River Operations Office
U.S. Department of Energy



EM Environmental Management

safety ♦ performance ♦ cleanup ♦ closure

www.em.doe.gov

Leveraging strategic investments to meet compliance and maintain cleanup momentum

Environmental Management: A National Responsibility

- We reduce risks and protect our workers, our communities and the environment through cleanup
- Our work is urgent and essential to the health and economic vitality of our communities and the nation and positions our Sites for future missions and use
- Our mission is not discretionary - it is a congressional mandate to D&D the gaseous diffusion plant under the U.S. Energy Policy Act of 1992 and a federal obligation to address the cold war environmental legacy cleanup and honor our regulatory commitments
- Time is not on our side – costs and risks increase over time
- We have demonstrated value for the American Taxpayer by delivering significant progress in the past several years in reducing risks and the overall liability - but our work is not done
- The Environmental Management portfolio is one of our nation's largest liabilities - we have a responsibility to relieve future generations of this environmental and financial liability



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EM's Cleanup Vision: Journey To Excellence

Building on the ARRA momentum, the EM team will:

➤ **Complete the three major tank waste construction projects:**

- Sodium Bearing Waste Facility by 2011 (operational 2012)
- Salt Waste Processing Facility by 2014 (operational 2014)
- Waste Treatment Plant by 2016 (operational 2019)

➤ **Reduce the life-cycle costs:**

- Recovery Act investments - \$7 billion in cost savings and avoidances
- Transformational Tank Waste Technology - \$19 billion reduction
- High Priority Groundwater Remediation - \$10 billion reduction

➤ **Disposition 90% of legacy TRU waste by 2015**

- All EM cleanup waste to WIPP by 2020, except for Hanford
- 40,000 m3 TRU remaining to be disposed to accomplish 2015 goal. 78,000 m3 of the 118,000m3 total goal have already been disposed.

➤ **Shrink the EM legacy footprint 90% by 2015**

- In 1989, legacy cleanup footprint was 3,125 sq miles. At the start of ARRA cleanup in 2009, it was 931 sq miles. By the end of FY11, 559 sq miles will remain. By 2015, it will be reduced to 93 sq miles
- All Material Access Areas eliminated
- 2636 facilities complete
- 7745 remediations complete

➤ **By 2020, EM legacy cleanup will be virtually completed. Hanford will be the only large site remaining. Minor cleanup will remain at Savannah River, Portsmouth, and Oak Ridge**



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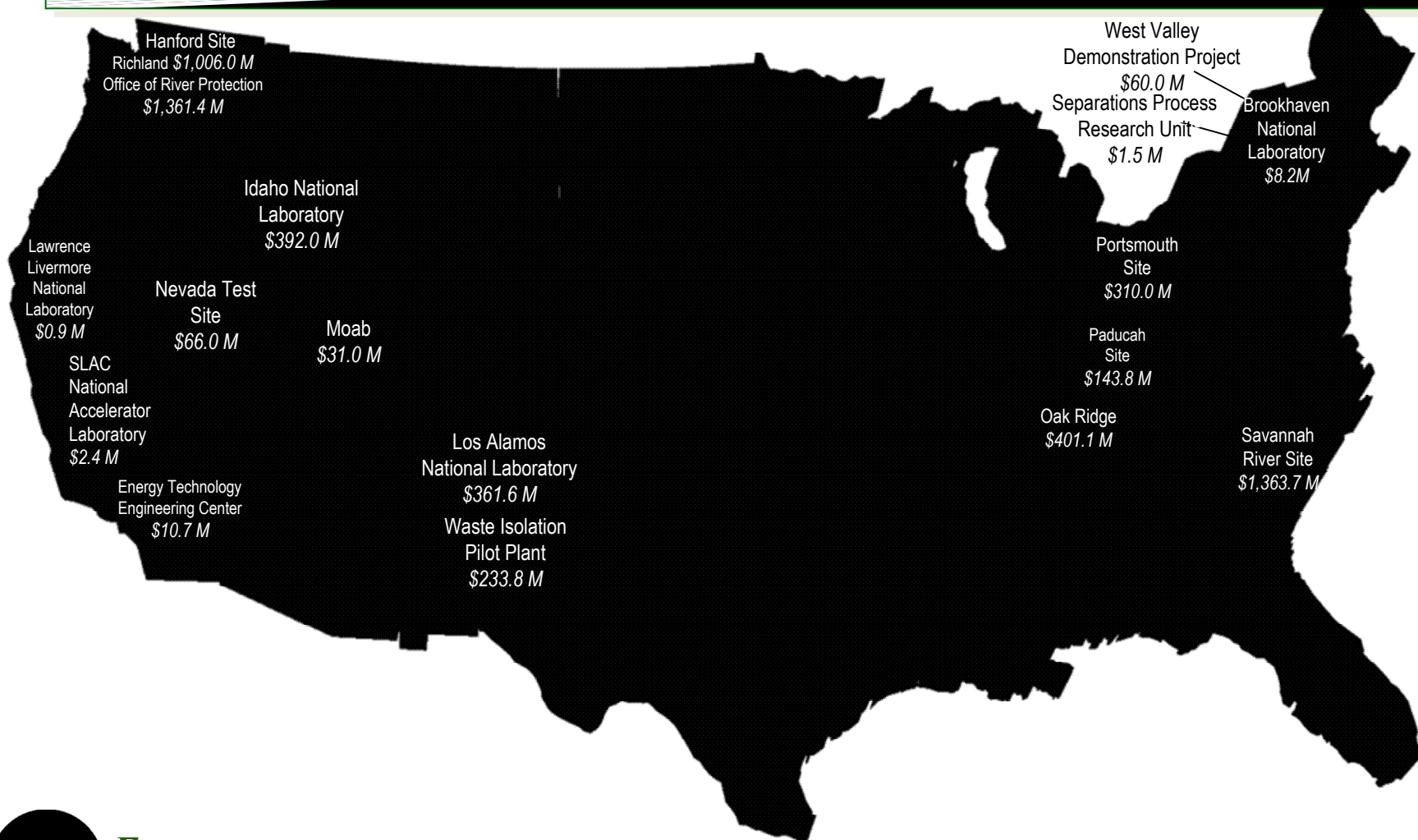
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EM Program Funding by Site (FY 2012 President's Budget Request)



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FY 2012 Key Accomplishments

Savannah River

(\$ in thousands)

FY 2010	FY 2012 President's Budget Request
1,342,013	1,363,728

- Continue construction of the Salt Waste Processing Facility
- Close two tanks
 - Continue progress on FFA Tank Closure commitments
 - Deploy at-tank pre-treatment technologies such as rotary microfiltration and small column ion exchange
 - Continue Tank 48 Return to Service
- Vitrify 312 canisters of high-level waste through continued operation of the Defense Waste Processing Facility
- Continue receipt of Foreign and Domestic research reactor used nuclear fuel
- Complete construction of Saltstone Disposal Unit (SDU) #2
- Continue Construction of SDU 3 & 5 and commence SDU 6 & 7 and Glass Waste Storage Building #3 projects
- Continue ARRA funded legacy TRU waste disposition and footprint reduction scope



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EM BUDGET	FY 2010	FY 2012
Environmental Cleanup	1,192	1,224
Community and Regulatory Support	18	10
Safeguards & Security	132	130
Federal Program Direction	54	52
TOTAL EM BUDGET AUTHORITY	1,396	1,416
NNSA BUDGET	FY 2010	FY 2012
Defense Programs	249	190
Nuclear Nonproliferation	693	820
Safeguards & Security	18	14
Federal Program Direction	5	6
TOTAL NNSA BUDGET AUTHORITY	965	1,030
OTHER SRS BUDGETS	FY 2010	FY 2012
OTHER MISC. PROGRAMS	36	33
TOTAL SRS BUDGET AUTHORITY	2,397	2,479
ARRA Appropriation (2009-2012) \$ 1,600 M		

