



U.S. DEPARTMENT OF
ENERGY



Update on the Office of Environmental Management

**Savannah River Site Citizens Advisory Board Meeting
North Charleston, South Carolina
September 29, 2009**

Dr. Inés R. Triay

Assistant Secretary for Environmental Management



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EM Mission and Priorities

Mission

“Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Government-sponsored nuclear energy research.”



Radioactive tank waste remains a top priority.

Our Priorities Are the Same

- Essential activities to maintain a safe and compliant posture in the EM complex
- Radioactive tank waste stabilization, treatment, and disposal
- Spent nuclear fuel storage, receipt, and disposition
- Special nuclear material consolidation, stabilization, and disposition
- High priority groundwater remediation
- Transuranic and mixed/low-level waste disposition
- Soil and groundwater remediation
- Excess facilities deactivation and decommissioning (D&D)



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Journey to Excellence: Delivering Performance

Vision

“Our vision is that EM and its contractors are recognized as being among the best at completing quality work safely, on schedule and within cost and delivering demonstrated value to the American Taxpayer.”

19 EM soil/water remediation and waste disposition projects completed from 2005-present

- All projects met regulatory deadlines
- 95% completed on schedule
- 84% within 10% of budget

- EM has a solid performance record on cleanup projects
- However – EM must improve in delivering all projects within cost and schedule
- This performance must be achieved with Safety as an inherent part of our value system – not to be compromised
 - No schedule, milestone or cost consideration is worth any injury
- Two areas where there is heightened visibility and scrutiny
 - Construction projects
 - Recovery Act projects



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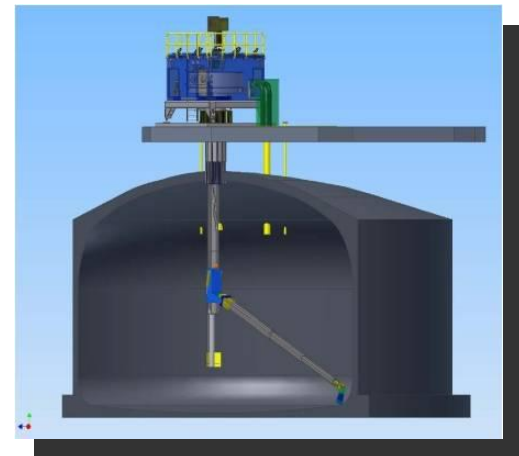
Strengthen Technology Development

- Focus on reducing risks and life-cycle costs associated with tank waste stabilization, treatment, disposal & groundwater remediation
- Leverage world class basic research and facilities funded by other offices within the Department
- Requested increase of FY 2010 budget to \$105 million from \$32 million in FY 2009

**Electrical
resistance heating,
will be used to
remove TCE up to
100 feet below the
surface at Paducah.**



**Mobile
Arm
Retrieval
System**

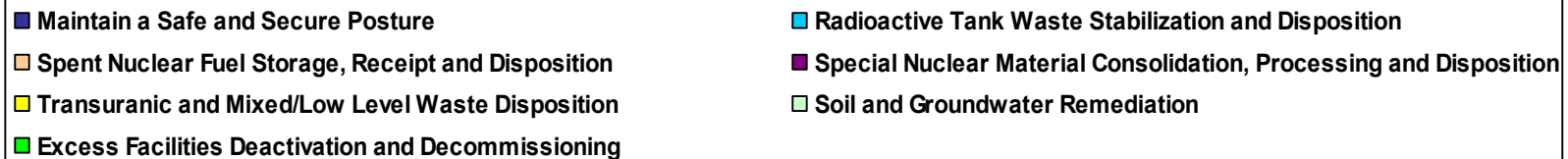
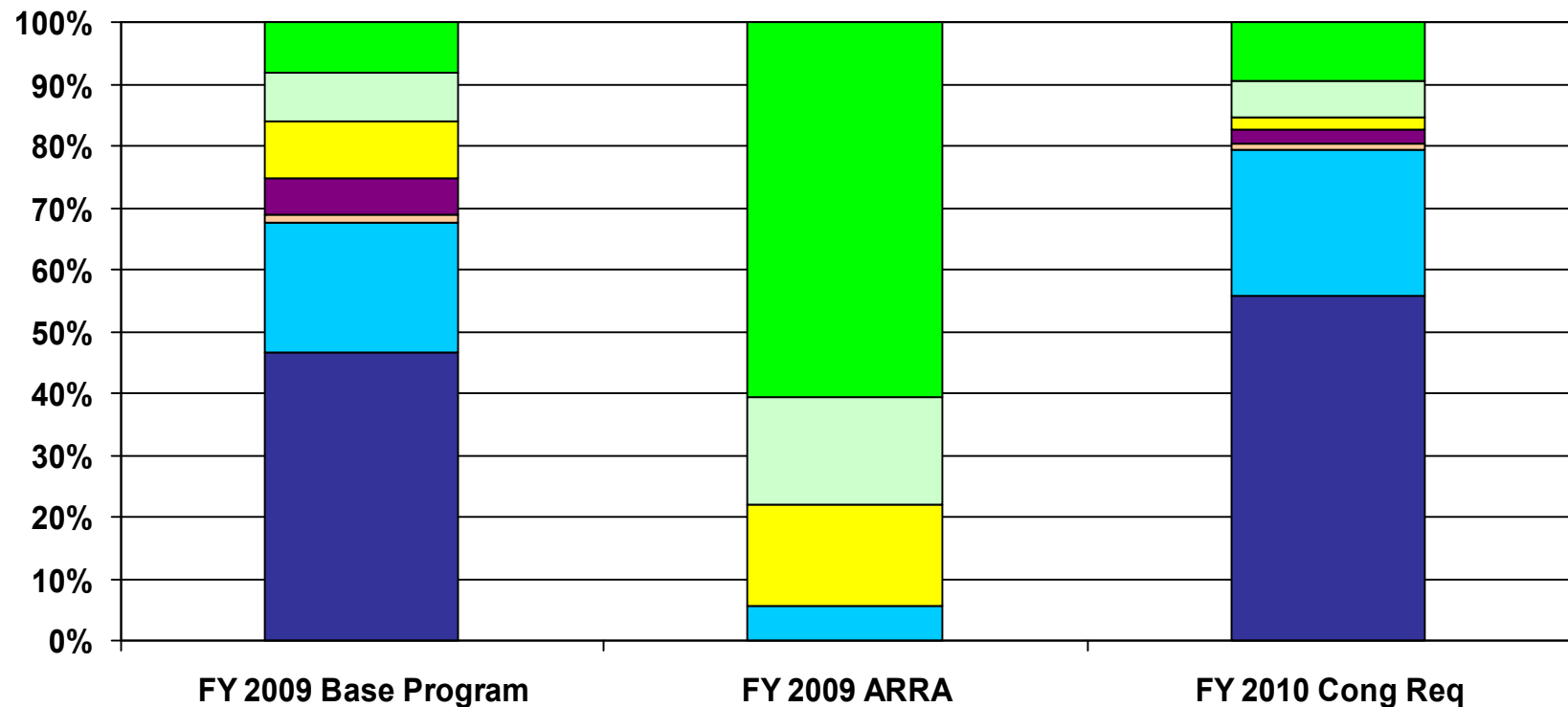


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Comparison of Recovery Act and Base Program Work Scope



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30 months from ARRA Project Ramp-up to Closeout



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ARRA Funding Obligations at EM Sites

Site	Spend Plan	Obligated to Contracts	Spent to Date
Argonne National Laboratory	\$98,500,000	\$79,000,000	\$1,177,513
Brookhaven National Laboratory	\$42,355,000	\$42,355,000	\$7,658,089
ETEC	\$54,175,000	\$54,175,000	\$0
Hanford (Office of River Protection)	\$326,035,000	\$326,035,000	\$16,188,222
Hanford (Richland)	\$1,634,500,000	\$1,624,919,582	\$88,772,219
Idaho	\$467,875,000	\$467,175,000	\$55,042,454
Los Alamos National Laboratory	\$211,775,000	\$211,775,000	\$1,325,504
Moab	\$108,350,000	\$108,350,000	\$6,365,420
Mound	\$19,700,000	\$19,700,000	\$0
Nevada Test Site	\$44,325,000	\$35,294,441	\$6,209,108
Oak Ridge	\$755,110,000	\$632,844,198	\$30,501,158
Paducah	\$78,800,000	\$78,800,000	\$1,049,617
Portsmouth	\$118,200,000	\$108,200,000	\$2,493,402
Savannah River	\$1,615,400,000	\$1,278,411,341	\$158,723,850
SLAC	\$7,925,000	\$7,925,000	\$496,410
SPRU	\$51,775,000	\$31,775,000	\$171,695
WIPP	\$172,375,000	\$172,175,000	\$13,092,767
West Valley	\$73,875,000	\$73,875,000	\$4,037,544
Title X Uranium/Thorium Reimbursements	\$68,950,000	\$31,870,555	\$31,870,555
OMB Q4 Unallocated	\$20,000,000	\$0	\$0
Management & Oversight	\$30,000,000	\$5,416,494	\$1,631,849
Total	\$6,000,000,000	\$5,391,853,413	\$426,807,377



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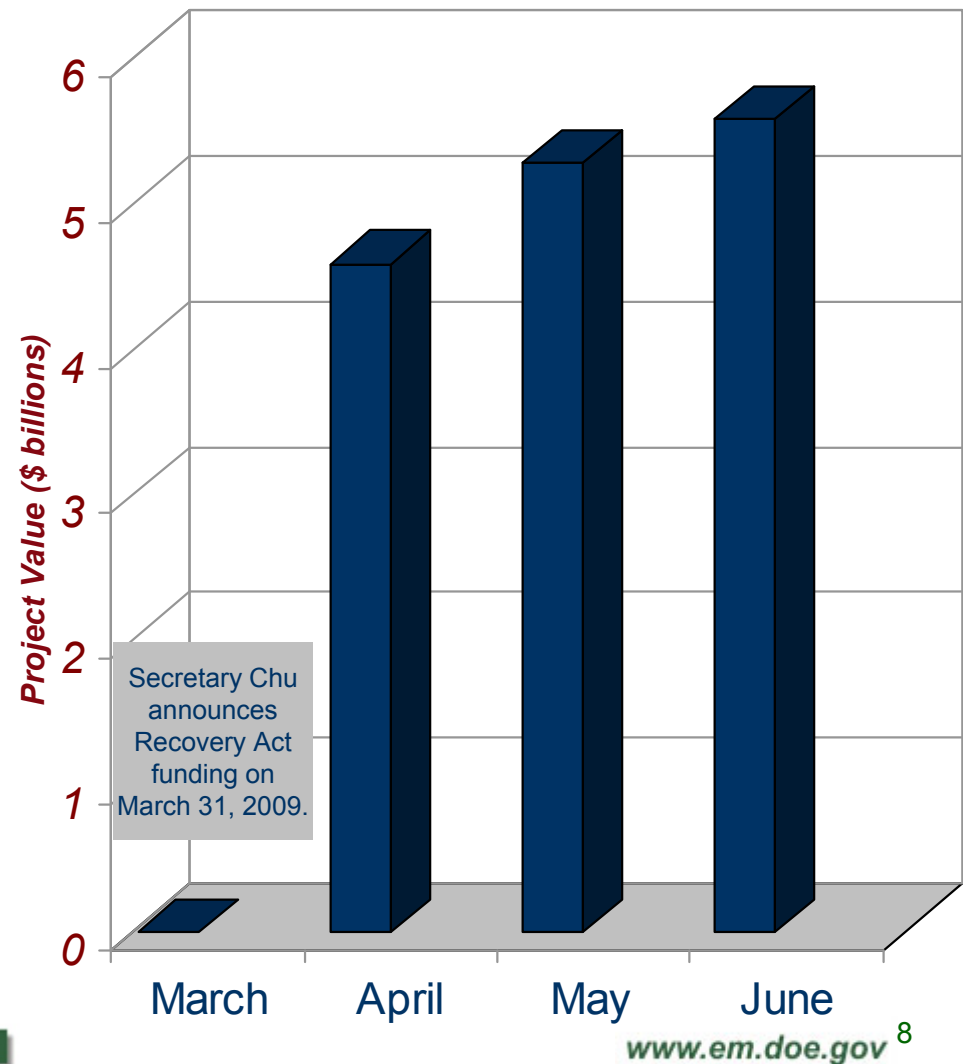
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Financial data are based on reporting as of September 23, 2009 and are subject to change.

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EM Has Moved Quickly to Allocate ARRA Funds

- EM allocated more than 99% of ARRA funding to the sites performing the work within the first 6 months.
- Modifications issued to 29 of 35 existing contracts covering ARRA work.
- Three additional new contracts are pending.



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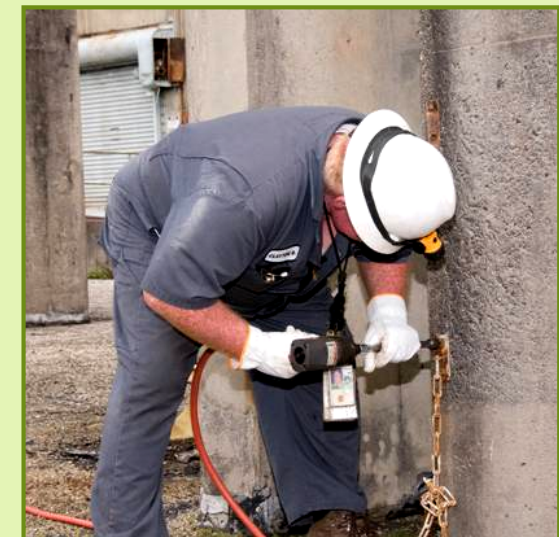
Over 9,000 Jobs Saved or Created

EM Job Applicants, Jobs Saved & Created, and Job Fairs (September 22, 2009)					
	Applicants	Saved	Created	Headcount	Job Fairs
Argonne (IL)	1,705	13	42	55	8
Brookhaven (NY)	39	31	89	120	0
ETEC (CA)	456	108	2	110	0
Hanford-ORP (WA)	11,463	0	436	436	11
Hanford-Richland (WA)	14,917	285	2,775	3,060	9
Idaho (ID)	5,633	1,182	309	1,491	9
Los Alamos (NM)	706	82	16	98	1
Moab (UT)	2,363	37	130	167	0
Mound (OH)	0	28	0	28	0
Nevada (NV)	27	303	29	332	0
Oak Ridge (TN)	7,356	157	781	938	5
Paducah (KY)	4,885	0	102	102	4
Portsmouth (OH)	3,033	36	79	115	3
Savannah River (SC)	14,865	798	1,254	2,052	5
SLAC (CA)	90	100	12	112	1
SPRU (NY)	40	52	38	90	0
West Valley (NY)	1,128	0	158	158	0
WIPP (NM)	79	37	178	215	0
TOTALS	68,785	3,249	5,980	9,679	56



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Communicate. Communicate. Communicate.

EM Headquarters and Field sites are striving to provide “unprecedented transparency” as to where the ARRA money is going and what is being accomplished.

- EM Recovery Act newsletter
- Weekly News Flash
- EM and DOE Recovery Act websites
- Stakeholder conference calls
- Public meetings
- OMB/Congress
- GAO/IG



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Making Progress

EM Recovery Act Program is making a difference in the President's goals of job creation and environmental cleanup through the *American Recovery and Reinvestment Act*.

- Over 9,250 jobs created and preserved in 12 States
- More than 99% of Recovery Act funds have been allocated to sites
- Modifications issued to 29 of 35 existing contracts
 - Balance of EM ARRA funding is planned for new awards (~\$150M)
- Nearly \$5.4 billion obligated to contracts for EM Recovery projects
- Over \$427 million spent on Recovery work
- Achieved 122% of EM small business contracting goal
- Monthly monitoring of project execution and performance
- Active engagement with stakeholders and regulators



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The Challenge: Maintaining Momentum



- Safely conducting work
- Managing performance-based projects with life cycles over several decades
- Producing results with robust project management practices
- Applying first-of-a-kind technologies
- Achieving footprint reduction and near-term completions
- Managing and maintaining an “able and stable” workforce
- Using Recovery Act funds to create sustainable environmental cleanup jobs, with lasting economic benefits



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