



**U.S. DEPARTMENT OF
ENERGY**

Savannah River Site

Savannah River Site Citizens Advisory Board Meeting

SRS Recovery Act Footprint Reduction Project Update

Presentation By

Helen Belencan

Recovery Act Program Manager

Department of Energy

Savannah River Operations Office

July 28, 2009



A M E R I C A N R E C O V E R Y A N D R E I N V E S T M E N T A C T



CAB Areas of Interest re: Recovery Act

- Progress/accomplishments
- Jobs creation and retention, including skills types and training
- Expenditures
- Alignment with ongoing/future missions

- Project Oversight
- Safety
- Regulatory
- Communications





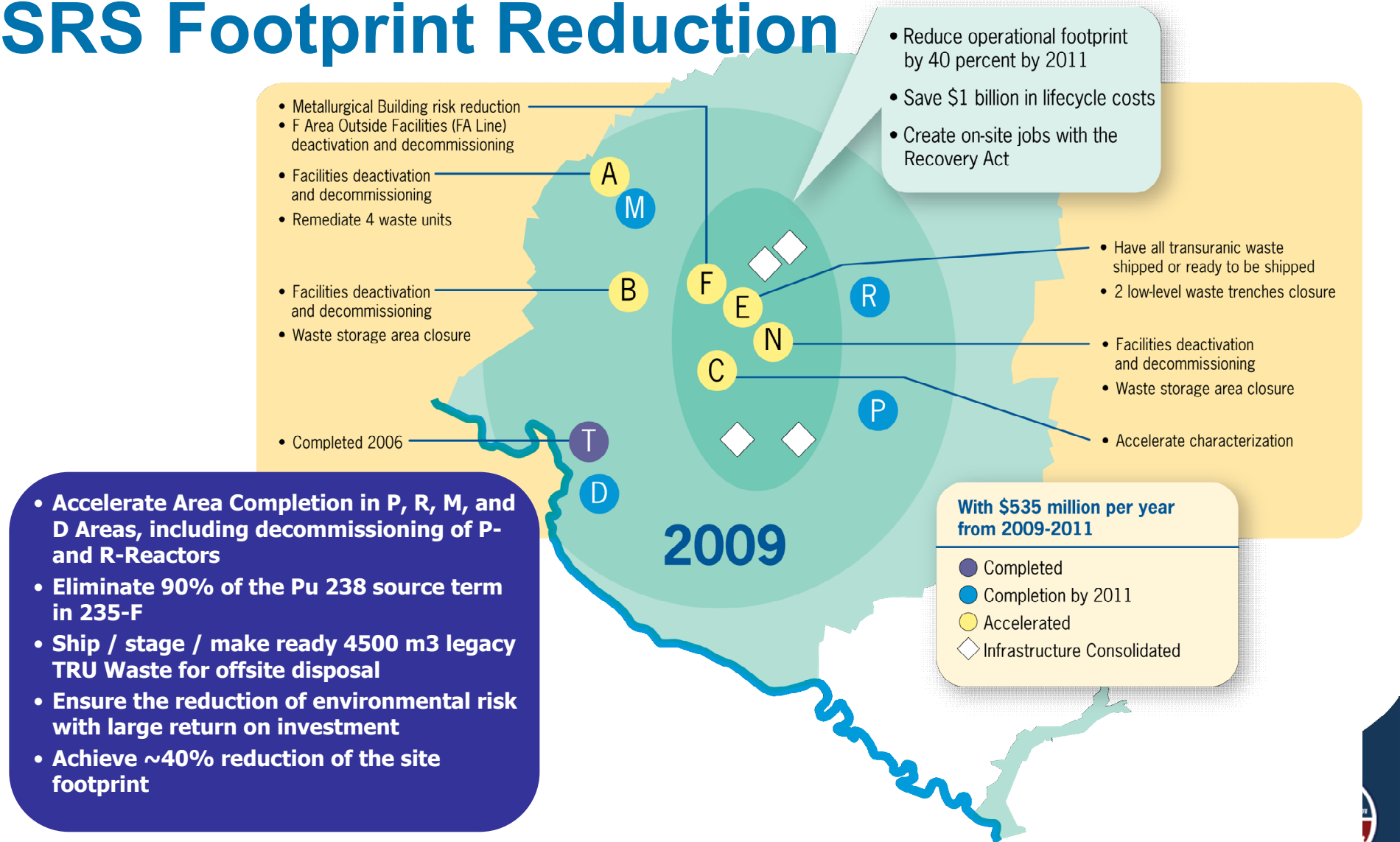
SRS Recovery Act Footprint Reduction

- Accelerate the completion of existing environmental protection and site cleanup goals by many years, reducing the EM footprint at the SRS approximately 40% by September 2011, eliminating environmental threats and reducing life-cycle costs.
- Fulfills Government's responsibility to address nuclear weapons waste; allows earlier completion of legal compliance agreement milestones; and enables reuse of DOE resources, including land and infrastructure, for other energy missions or reuse.
- Purpose of these funds is to create near-term environmental cleanup jobs with an eye toward lasting economic benefits aligned to Administration goals.
- Clear work scope, cost estimates, and schedules must be fully defined and supported.

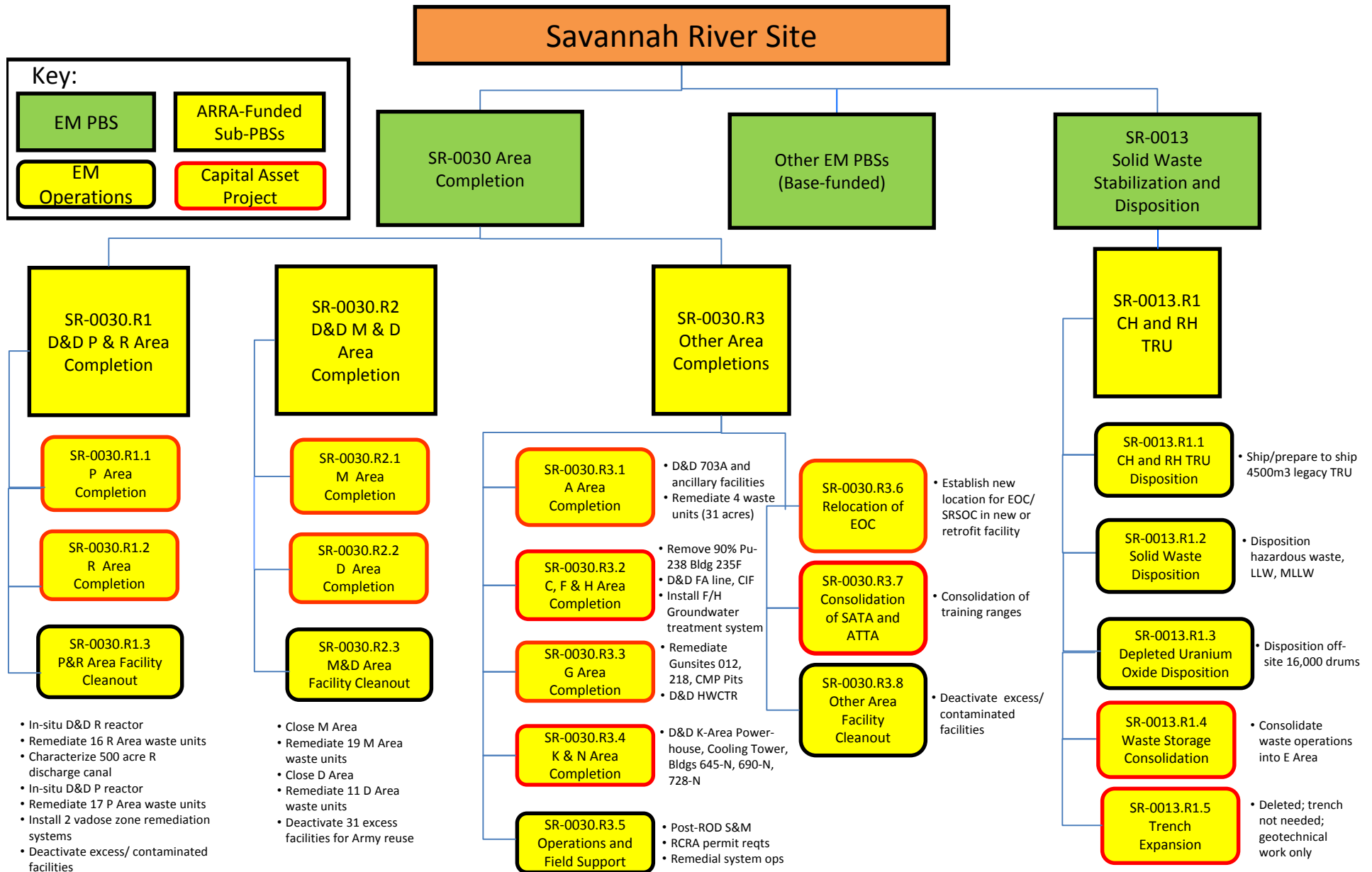




SRS Footprint Reduction



SRS Recovery Act Project Structure





Major Accomplishments to Date

Transuranic Waste

- Completed 1,000th TRU waste shipment to WIPP
- Made 15th RH shipment to WIPP
- Made 1st ever controlled RH TRU Waste shipment to WIPP
- First 50 SLB2 containers thru RTR Fastscan
- Started TRU Pad 1 Phase 1A retrieval

Area Completion

- Initiated deactivation of Heavy Water Components Test Reactor (HWCTR).
- Completed installation of monitoring network for enhanced bio-remediation for solvent contaminated groundwater in P Area.
- Issued subcontract for clearing & grubbing of P&R Area Ash Basins.
- Successful detritiation pilot test in D area.
- Successful proof of concept pilot test for grouting of 2 sumps in R area disassembly basin.





U.S. DEPARTMENT OF
ENERGY

Savannah River Site

www.recovery.srs.gov

Retrieval of Culverts from TRU Pad 1





Major Accomplishments to Date

Job Fairs

- USC – Salkehatchie Job Fair – Allendale, SC, June 11
- Barnwell Town Hall Meeting and Job Fair – Barnwell, SC, June 17
- Allendale Town Hall Meeting and Job Fair – Allendale, SC, June 24
- Aiken Town Hall Meeting and Job Fair, Aiken, SC, July 7
- Augusta Town Hall Meeting and Job Fair, Augusta, GA, July 20

Hiring (as of July 10)

- Jobs Retained: 798
- Jobs Created: 612
- Applications received: ~10,300
- Retirees hired: 63





Major Accomplishments to Date

State	Number of Full-Time Equivalents (FTEs)		
	Saved	Created	Total
California	21	4	25
Idaho	240	168	408
Illinois	4	20	24
Kentucky	-	19	19
New Mexico	16	97	113
Nevada	6	9	15
New York	45	110	155
Ohio	8	42	50
South Carolina	798	612	1,410
Tennessee	44	421	465
Utah	-	42	42
Washington	356	1,005	1,361
Total	1,538	2,549	4,087

- EM – More than 44,000 job applicants **(1/4 of these at SRS)**
- EM – More than 26 job fairs for employment opportunities across nation **(1/6 of these at SRS)**
- EM -- As of July 10, more than 4,000 jobs saved and created in 12 states through use of stimulus funding **(over 1/3 of these at SRS)**





Major Accomplishments to Date

Site	State	Spend Plan	Obligated to Contracts	Spent to Date
Argonne	IL	\$ 98,500,000	\$ 35,000,000	\$ 231,944
Brookhaven	NY	\$ 42,355,000	\$ 34,000,000	\$ 3,159,052
ETEC	CA	\$ 54,175,000	\$ 38,300,000	\$ -
Richland	WA	\$ 326,035,000	\$ 42,720,000	\$ 5,572,230
River Protection	WA	\$ 1,634,500,000	\$ 1,272,009,771	\$ 26,866,898
Idaho	ID	\$ 467,875,000	\$ 374,000,000	\$ 22,631,159
Los Alamos	NM	\$ 211,775,000	\$ -	\$ -
Moab	UT	\$ 108,350,000	\$ 82,000,000	\$ -
Mound	OH	\$ 19,700,000	\$ -	\$ -
Nevada	NV	\$ 44,325,000	\$ 27,038,000	\$ 210,691
Oak Ridge	TN	\$ 755,110,000	\$ 426,650,200	\$ 4,970,816
Paducah	KY	\$ 78,800,000	\$ 2,500,000	\$ 217,958
Portsmouth	OH	\$ 118,200,000	\$ 4,600,000	\$ 76,215
SLAC	CA	\$ 7,925,000	\$ 7,925,856	\$ -
SPRU	NY	\$ 31,775,000	\$ 12,000,000	\$ -
Savannah River	SC	\$ 1,615,400,000	\$ 1,274,732,384	\$ 51,091,437
WIPP	NM	\$ 172,375,000	\$ 137,704,000	\$ 4,838,774
West Valley	NY	\$ 73,875,000	\$ 56,000,000	\$ -
Uranium/Thorium		\$ 68,950,000	\$ 14,181,497	\$ 14,181,497
OMB Unallocated		\$ 40,000,000	\$ -	\$ -
Mgt & Oversight		\$ 30,000,000	\$ 3,279,140	\$ 100,140
Grand Total		\$ 6,000,000,000	\$ 3,844,640,848	\$ 134,148,811

As of July 10, 2009:

- SRS received **27%** of EM's total Recovery Act funding
- SRS obligated **33%** of all EM Recovery Act funding obligated to contracts so far
- SRS spent **38%** of all EM Recovery Act funding spent so far





Contracting Status

- SRNS Management and Operating Contract
 - Contract modified April 8, 2009
 - \$1.2 billion obligated
 - Cost authority currently held to 30% (\$347M) pending acceptance of the performance baseline
- Small business goals and status for subcontracting (includes both Base M&O and Recovery Act-funded activities):
 - Small Business: Goal – 50%; Cum. Status – 56.4%
 - Small Disadvantaged Business: Goal – 13%; Cum. Status – 20.6%
 - Woman-owned Small Business: Goal – 11.4%; Cum. Status – 24.2%
 - HUB-Zone Small Business: Goal – 3.1%; Cum. Status – 2.9%
 - Service-Disabled Veteran-Owned Small Business: Goal – 1.3%; Cum. Status – 1.3%
- Percentage of June small business awarded, by category, resulting from Recovery Act funding:
 - Small Business: 66.3% (FYTD Cum. 71.9%)
 - Small Disadvantaged Business: 35.5% (FYTD Cum. 38.6%)
 - Woman-owned Small Business: 40.7% (FYTD Cum. 45.6%)
 - HUB-Zone Small Business: 4.2% (FYTD Cum. 4.6%)
 - Service-Disabled Veteran-Owned Small Business: 1.1% (FYTD Cum. 0.7%)





Project Oversight

- Safety is and will continue to be our priority in the execution of work performed under the Recovery Act
 - SRNS is hiring experienced, full-time Conduct of Operations mentors
- Interaction with our regulators will continue, as always, to ensure compliance as we proceed
 - Both agencies have representatives on site regularly





ConOps/Safety Mentoring Program

- Purpose
 - Defense in depth to ensure work is performed safely due to increased number of workers with minimal site experience and various safety cultures
 - Increased work load over a relatively short duration
- Duties
 - Full time Conduct of Operations Mentors assigned to major work activities in TRU-repack, Solid Waste, and D&D (~20)
 - Integrate with work crew and ensure an appropriate level of rigor is implemented throughout all aspects of work activities
 - Will not take the place of foreman, lead or others in chain of command
- Mentor Qualifications
 - Several years of experience in area of responsibility
 - Backgrounds in commercial and/or navy nuclear operations, DOE Complex; interpersonal skills
- Benefits
 - Higher level of safety performance, identification of emerging trends, sharing of lessons learned, improved safety culture in workforce





Project Oversight

- Good Project oversight by HQ, DOE-SR, and SRNS required to ensure funds spent appropriately and work accomplished in a timely manner
 - Projects will take all steps necessary to avoid delays and cost overruns
 - Every step will be taken to prevent instances of fraud, waste, error, and abuse
- Numerous reviews have been or will be conducted
 - EM-HQ conducted an initial review April 20 – 24
 - Independent Review and Validation of cost estimates: July 13 – 17
 - Independent Project Review: July 27 – 31
 - External Independent Review: August 10 – 14
 - GAO Audit: SRS visit week of August 3
 - IG Audit: Phase 1 complete, report pending





Regulatory Agency Involvement

- Air, Water, and RCRA Permit planning / processing
- FFA & STP
- Process modifications
 - Accelerated review schedules
 - Co-location
- End State planning





Recovery Act NEPA Review

- DOE submits a quarterly report to Council on Environmental Quality, as required by Section 1609 of Recovery Act.
- D&D and remediation projects are CERCLA-driven, and require no NEPA review, but
 - NEPA values (e.g., socioeconomic impacts, human health impacts) are incorporated in CERCLA documentation
 - Environmental Evaluation Checklists are prepared for each project to confirm they are conducted under CERCLA and ensure that pre-requisite actions (e.g., facility deactivation) receive appropriate NEPA review





Recovery Act NEPA Review

- Waste disposition projects are addressed in existing NEPA reviews
 - SRS Waste Management EIS (DOE/EIS-0217)
 - Waste Isolation Pilot Plant Final Supplemental EIS DOE/EIS-0026-S2)
 - Environmental Evaluation Checklists will be prepared for each project to confirm they are addressed in existing NEPA documents and ensure that related actions receive the appropriate NEPA review
- Projects not clearly addressed in existing NEPA reviews will receive appropriate review
 - So far, all projects have been determined to be addressed or have been categorically excluded from further NEPA review





Actions Addressed in Existing NEPA Reviews

- ARRA-P-2009-033, Install and Operate Mobile Batch Plant, Engineering Evaluation/Cost Analysis
- ARRA-F-2009-014, Disposition Depleted Uranium Trioxide, DOE/EA-1308, February 2001, 05/22/09
- ARRA-E-2009-017, Retrieve Waste Containers from TRU Pad 1, DOE/EIS-0217, July 1995, 05/12/09
- ARRA-G-2009-012, Legacy TRU and Mixed TRU Waste Characterization and Repackaging, DOE/EIS-0217, July 1995, 6/29/09
- ARRA-F-2009-014, Disposition Depleted Uranium Trioxide, DOE/EA-1308, February 2001, 05/22/09





Actions Categorically Excluded

- ARRA-R-2009-003, Deactivation of the 105-R Reactor Building, B 1.28, 03/27/09
- ARRA-R-2009-001, R-Area Cask Car Railroad Tracks, B 6.1, 03/27/09
- ARRA-N-2009-019, Reactor ISD Grout Sample Preparation and Testing, B3.6, 05/20/09
- ARRA-P-2009-034, Construct Rail Spur to Concrete Batch Plant, P-Area, B1.13, 07/08/09
- ARRA-M-2009-027, M-Area Chemical Oxidation (MACO) - Installation of Southern Sector Coreholes, Monitoring Wells for tech demo of in situ persulfate oxidation, B3.1, 06/09/09
- ARRA-C-2009-002, C-Area Cask Car Railroad Tracks, B 6.1, 03/27/09
- ARRA-A-2009-016, New A-Area Firewater Pumphouse, B1.15, 05/11/09
- ARRA-H-2009-021, H-Area HWMF Base and Silver Chloride Injection, B6.1, 05/28/09
- ARRA-F-2009-022, F-Area HWMF Silver Chloride Injection Wells, B6.2, 06/15/09
- ARRA-C-2009-031, C-Area Tritium Anomaly “CPT” Cone Penetrometer Technology, B3.1, 06/04/09
- ARRA-F-2009-032, F-Canyon Complex Deactivation, B1.27, B1.28, 06/23/09
- ARRA-A-2009-023, Relocation of Services to Support 784-A D&D, B1.28, 07/08/09
- ARRA-U-2009-035, Groundwater Monitoring Well Installation at HWCTR, B3.1, 06/23/09
- ARRA-G-2009-038, Automated Fuel Management System Replacement, B2.2, 06/29/09
- ARRA-B-2009-006, Install trailers and refurbish parking lot, B-Area, B1.15, 04/06/09
- ARRA-E-2009-013, Locating “Mobile Mini” Office Buildings, B1.15, 05/05/09
- ARRA-E-2009-015, Install 18 New Office Trailers in the E-Area Rock Yard, B1.15, 05/11/09





Communications

- www.recovery.srs.gov, www.twitter.com/SRSNews
 - Employment opportunities information
 - “Doing Business” with SRS Recovery Act Project
 - Newsroom with information for the media
 - Ability to email us questions / comments
 - Fact sheets on project

Website will be constantly evolving throughout the project

- **Regularly scheduled meetings**
 - Regulators (SCDHEC, EPA, etc...)
 - CAB briefings
 - Town Hall meetings
 - Economic Development Organizations
 - Editorial board meetings
 - Business leaders in the CSRA
 - Government

