
Savannah River Site
Citizens Advisory Board (CAB)



2012
ANNUAL WORK PLAN

 3-19-12
Co-DDFO Signature & Date

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INTRODUCTION

We, the 25 members of the Savannah River Site (SRS) Citizens Advisory Board (CAB), are pleased with having developed this 2012 Work Plan to help us keep focused during the year as we provide informed and timely recommendations at the request of the U.S. Department of Energy (DOE), through the Savannah River Operations Office (SR). We are looking forward to a busy year of receiving information and making recommendations.

Our recommendations fall in the areas of environmental restoration, waste management, and related activities. Each January, DOE-SR presents a list of planned and ongoing activities at SRS that assists us in identifying issues and topics that are of particular interest to the CAB and will be considered as a request for public advice during the current calendar year. From this list, we developed the 2012 Work Plan as a tool to help us target appropriate topics for each of our four issues-based committees:

- Facilities Disposition and Site Remediation
- Nuclear Materials
- Strategic and Legacy Management
- Waste Management

The CAB activities for 2012 are structured to focus only on the topics identified in this 2012 Work Plan.

We invite members of the public to meet with us at our scheduled committee meetings and assist us as we review the topics in this work plan.

ACRONYM LIST

ARP	Actinide Removal Process	MOX	Mixed-Oxide Fuel
CAB	Citizens Advisory Board	NNSA	National Nuclear Security Administration
CERCLA	Comprehensive Environmental Response Compensation & Recovery Act	NEPA	National Environmental Policy Act
D&D	Deactivation & Decommissioning	NM	Nuclear Materials
DOE	Department of Energy	NRC	Nuclear Regulatory Commission
DWPF	Defense Waste Processing Facility	PMP	Performance Management Plan
EM SSAB	Environmental Management	Pu	Plutonium
EPA	Environmental Protection Agency	RCRA	Resource Conservation Recovery Act
eSRS	Enterprise SRS	ROD	Record of Decision
FD&SR	Facilities Disposition and Site Remediation	SCDHEC	South Carolina Department of Health and Environmental Control
FFA	Federal Facility Agreement	SMR	Small Modular Reactor
FRR	Foreign Research Reactor	SREL	Savannah River Ecology Lab
FY	Fiscal Year	SRNL	Savannah River National Laboratory
HB (Line)	Process line above H-Canyon	SRNS	Savannah River Nuclear Solutions
HEU	Highly Enriched Uranium	SRR	Savannah River Remediation
HLW	High Level Waste	SRS	Savannah River Site
HLLW	High Level Liquid Waste	SEIS	Supplemental Environmental Impact Statement
IOU	Integrator Operable Unit	S&LM	Strategic and Legacy Management
IPL	Integrated Priority List	SWPF	Salt Waste Processing Facility
LEU	Low Enriched Uranium	TRU	Transuranic Waste
LLW	Low Level Waste	USDA-FS	United States Dept. of Agriculture Forest Service
LW	Liquid Waste	WM	Waste Management
MCU	Modular Caustic Side Solvent Extraction Unit	WIPP	Waste Isolation Pilot Plant
MLLW	Mixed Low Level Waste		

Issues-Based Committee Descriptions for the 2012 Work Plan

Facilities Disposition and Site Remediation Committee

This committee addresses the remediation of contaminated soil, groundwater, and surface water. The committee deals with issues related to the Federal Facility Agreement (FFA), risk management/assessment, the regulatory process, and other cross-cutting issues pertaining to environmental restoration. The committee also follows deactivation and decommissioning (D&D) actions taken to reduce risk and costs following shutdown of excess industrial, radioactive, and nuclear facilities. Topics under consideration for the Facilities Disposition and Site Remediation (FD&SR) Committee in 2012 include:

- I. Facilities Disposition
 - 1. Building 235-F
- II. Site Remediation
 - 1. Updates
 - i. FFA Appendix E
 - 1. Projected Changes
 - 2. Major Proposed Changes
 - ii. Integrator Operable Units Program
 - 2. Operable Unit Project Updates
 - i. C Area Project Progress
- III. Environmental Monitoring Program
 - 1. Annual Report
- IV. Clean Alternative Energy
 - 1. Biomass Plant Construction & Operation Update
- V. Federal/State Regulatory Oversight of Cleanup Activities
- VI. Public Communications Improvement
- VII. SRS Energy Management Overview
- VIII. Savannah River Ecology Update
- IX. Radioecology Initiative
- X. SRS Natural Resources Management
- XI. Lower Three Runs Cleanup Approach
- XII. Next Generation Cleanup Technologies

Nuclear Materials Committee

This committee was established to study issues that involve nuclear materials (generally uranium and plutonium) that have an impact on present or future SRS activities. Issues include used nuclear fuel program activities (foreign and domestic), nuclear materials management and nuclear materials integration. The committee addresses the consolidation, storage and disposition issues related to the legacy materials that were once part of the nuclear weapons production cycle that are no longer needed for their original purpose, but are not considered waste. Topics under consideration for the Nuclear Materials Committee in 2012 include:

I. Nuclear Material Receipt and Storage

1. Used Nuclear Fuel

- i. L-Basin Augmented Monitoring and Condition Assessment Plan
- ii. Foreign and Domestic Research Reactor Receipt and Storage Plans
- iii. Used Nuclear Fuel Storage Risks to the Environment and Public
- iv. Dry Used Nuclear Fuel Storage Initiative

2. Plutonium, Uranium and Other Nuclear Materials

- i. Receipt and Storage Plans
- ii. Storage Risks to the Environment and Public

II. Nuclear Material Reuse and Disposition

1. Used Nuclear Fuel Disposition in H-Canyon
2. Plutonium Disposition to Waste Isolation Pilot Plant
3. Plutonium Reuse (Preparation) for Mixed Oxide Fuel Fabrication Facility
4. Uranium Reuse and Disposition Plans

III. Strategic Initiatives and Policy Discussions Related to Nuclear Materials

1. Enterprise SRS Strategic Initiatives
2. Blue Ribbon Commission's Report on America's Nuclear Future
3. Public Law and Legal Decisions Involving Nuclear Material Disposition
4. Transmutation

*It should be noted that for those NNSA related topics, input, advice and recommendations from the CAB are not to be performed. These NNSA related topics/activities are for "Information Only."

Strategic and Legacy Management Committee

This committee is involved in strategic issues relevant to the Environmental Management clean-up program at SRS. This includes performance assessments as well long-term policy, planning and cross-cutting issues related to other CAB committees. Specific areas of interest are development and deployment of technology, the DOE-SRS budget decision-making process, future land use and relevant national environmental policy. The Committee encourages other CAB committees to integrate long-term stewardship into issue deliberations and CAB recommendations. Topics under consideration for the Strategic and Legacy Management (S&LM) Committee in 2012 include:

- I. Planning
 - 1. EM Lifecycle Plan
 - 2. Enterprise SRS Update
- II. Budget Request and Congressional Funding Authorization
 - 1. Integrated Priority List (IPL)
- III. Performance Measures
- IV. US Army Training Update
- V. Update on Natural Resources Management
- VI. Reutilization of SRS Assets for Future Missions
- VII. Savannah River National Laboratory
- VIII. Small Modular Reactor
- IX. Historic Preservation

Waste Management Committee

This committee reviews the management, treatment, storage and disposition of radioactive wastes, including transuranic waste (TRU), low-level waste (LLW), mixed low-level waste (MLLW) and radioactive liquid waste (LW) and provides advice and recommendations to DOE on these activities. Principal goals of the committee are: to see (1) a trend of reduction in risk to the public, workers, and the environment posed by these wastes, and (2) integrated and comprehensive systems approaches used in weighing SRS waste management and disposition options. Topics under consideration for the Waste Management (WM) Committee in 2012 include:

Solid Waste

- I. Overview of all EM wastes & materials on Site, current status & long term disposal plans
 1. Waste Isolation Pilot Plant (WIPP) Shipping
 - i. Explanation of and other disposition sites (e.g., Clive)
 2. Legacy Transuranic (TRU) Waste Program Update

Liquid Waste

- I. Cost Savings Initiative (CSI) & System Plan Rev. 17
- II. Glass Waste Storage Status
 1. Storage Plan to Complete the Mission
 2. Issues dealing with long term storage of canisters at SRS and alternatives to extended storage on Site
- III. Tank Closure
 1. Status and schedules
- IV. Salt Waste Processing Overview
 - i. (ARP) /(MCU)- Lifecycle enhancements & Operating Performance
 - ii. SWPF start-up plans and transition to long term management structure
- V. Miscellaneous
 1. History and Summary of legislative requirements and Federal Government commitments for bringing waste into SRS and removing waste and materials from SRS.