



**Savannah River Site** Citizens Advisory Board

# **2023 ANNUAL WORK PLAN**

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## INTRODUCTION

We, the 25 members of the Savannah River Site Citizens Advisory Board (CAB), are pleased with having developed this 2023 Work Plan to help us keep focused during the year as we provide informed and timely recommendations at the request of the United States Department of Energy, through the Savannah River Operations Office.

Our recommendations fall in the areas of environmental restoration, waste management, and related activities. Each January, Department of Energy-Savannah River presents a list of planned and ongoing activities at the Savannah River Site 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 2020 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
- Waste Management

The CAB activities for 2023 are structured to focus only on the topics identified in this 2020 Work Plan.

We invite members of the public to meet with us at our scheduled meetings and assist us as we review the topics in our 2020 Work Plan.

# Facilities Disposition and Site Remediation Committee

The Facilities Disposition and Site Remediation Committee addresses the remediation of contaminated soil, groundwater, and surface water. The Facilities Disposition and Site Remediation Committee deals with issues related to the Federal Facility Agreement, risk management/assessment, the regulatory process, and other cross-cutting issues pertaining to environmental restoration. The Facilities Disposition and Site Remediation Committee also follows deactivation and decommissioning 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 Committee in 2023 include:

<b>Topic 1</b>	<b>Work Plan Item:</b>	<b>SRS common infrastructure, deferred maintenance, and green initiatives</b>
	Description:	<p>SRS common infrastructure includes an extensive network of roads, facilities, electricity / steam generation and distribution, railroads, water systems, and lakes &amp; dams. Unfortunately, these systems are aging, and a lot of necessary maintenance has long been deferred. As SRS addresses the needed repairs and upgrades, there are opportunities to implement “green initiatives”, including cool roofs, electric vehicle charging stations, and solar power generation.</p> <p>Provide a recommendation on how you would like SRS to prioritize these activities to support infrastructure upgrades and “green initiatives”.</p>
	Recommendation Deadline:	
<b>Topic 2</b>	<b>Work Plan Item:</b>	<b>SRS Deactivation and Decommissioning (D&amp;D) Activities</b>
	Description:	<p>The SRS D&amp;D program works closely with the Savannah River Site Community Reuse Organization (SRSCRO) – a non-profit organization that utilizes SRS resources to facilitate economic development and job creation in its two-state, five-county region. Before SRSCRO can accept SRS resources, a lot of D&amp;D work must be done by SRS.</p> <p>Provide a recommendation on how you would like SRS to prioritize these activities.</p>
	Recommendation Deadline:	
<b>Topic 3</b>	<b>Work Plan Item:</b>	<b>Per-and polyfluoroalkyl substances (PFAS) Management at SRS</b>
	Description:	<p>PFAS is an emerging contaminant worldwide, and in anticipation of EPA’s pending regulations, numerous SRS parties have begun to investigate the PFAS situation on Site.</p> <p>Provide a recommendation on how you would like this information to be shared.</p>
	Recommendation Deadline:	

# Nuclear Materials Committee

The Nuclear Materials Committee was established to study issues that involve nuclear materials (generally uranium and plutonium) that have an impact on present or future Savannah River Site activities. Issues include spent nuclear fuel program activities (foreign and domestic), nuclear materials management, and nuclear materials integration. The Nuclear Materials Committee addresses consolidation, storage, and disposition issues related to legacy materials that were once part of the nuclear weapons production cycle. The Nuclear Materials Committee also studies issues related to the receipt and storage of foreign research reactor spent nuclear fuel. Topics under consideration for the Nuclear Materials Committee in 2023 include:

<b>Topic 1</b>	<b>Work Plan Item:</b>	<b>C-Reactor Deuterium Oxide Disposition Plan</b>
	Description:	<u>Background:</u> SRS has a stockpile of approximately 530K gallons of deuterium oxide. We have defined a disposition path for the D2O located in this reactor.  <u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation on the disposition plans of D2O located in the C-Reactor.
	Recommendation Deadline:	

<b>Topic 2</b>	<b>Work Plan Item:</b>	<b>Nuclear Materials Infrastructure</b>
	Description:	<u>Background:</u> Provide information as it relates to planned/necessary infrastructure activities.  <u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation prioritizing/ranking the planned infrastructure activities.
	Recommendation Deadline:	

<b>Topic 3</b>	<b>Work Plan Item:</b>	<b>Accelerated Basin De-Inventory</b>
	Description:	<u>Background:</u> The Accelerated Basin De-Inventory program is operating.  <u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation to the progress and future department plans of spent nuclear fuel processing and utilization of H-Canyon.
	Recommendation Deadline:	

<b>Topic 4</b>	<b>Work Plan Item:</b>	<b>SRS Legacy TRU Waste Disposition</b>
	Description:	<u>Background:</u> SRS continues to work with WIPP in prioritizing disposition of legacy TRU waste at SRS.  <u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation regarding the prioritization of the SRS of legacy TRU Waste.
	Recommendation Deadline:	

## Waste Management Committee

The Waste Management Committee reviews the management, treatment, storage and disposition of radioactive wastes, including transuranic waste, low-level waste, mixed low-level waste and radioactive liquid waste and provides advice and recommendations to the Savannah River Site on these activities. Principal goals of the Waste Management 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 system approaches used in weighing Savannah River Site waste management and disposition options. Topics under consideration for the Waste Management Committee in 2023 include:

<b>Topic 1</b>	<b>Work Plan Item:</b>	<b>Defense Waste Processing Facility Optimizations</b>
	Description:	<p><u>Description:</u> The Defense Waste Processing Facility (DWPF) began vitrification of high-activity liquid waste into glass in 1996. With SWPF now operating and improving throughput and the new mission of Accelerated Basin De-Inventory which will increase waste from H-Canyon, DWPF must adjust to the pace of increased waste processing. Optimizations for both safety and performance are being implemented to accommodate higher waste throughput. These include replacing formic acid with glycolic acid, procurement of critical spares, utilization of LW labs, and others outlined in the optimization production plan.</p> <p><u>Recommendation:</u> From a community perspective, provide recommendations on the LW optimization priorities.</p>
	Recommendation Deadline:	
<b>Topic 2</b>	<b>Work Plan Item:</b>	<b>Salt Waste Processing Facility Optimizations</b>
	Description:	<p><u>Description:</u> The Salt Waste Processing Facility (SWPF) began processing salt waste in October 2020. Since that time, the facility has been able to increase throughput to a rate of 4 million (M) gallons per year. Optimizations are being implemented to accelerate the throughput to 9M gallons per year. Optimizations include high curie batches earlier in processing, Next Generation Solvent implementation, procurement of critical spares, and others outlined in the optimization production plan.</p> <p><u>Recommendation:</u> From a community perspective, provide recommendations on the LW optimization priorities.</p>
	Recommendation Deadline:	

## Administrative and Outreach Committee

The Administrative and Outreach Committee shall advise the CAB on any question that arises pertaining to the substance or scope of the CAB Internal Processes. The Administrative and Outreach Committee also oversees the election of CAB and Committee Chairs. Additionally, the Administrative and Outreach Committee directs the public outreach efforts of the CAB, provides comments on membership selection to the Savannah River Site, and coordinates the CAB's speakers bureau. Topics for consideration provided for the Administrative and Outreach Committee for 2023 include:

Topic 1	Work Plan Item:	Assist the Federal Coordinator with the election of CAB Chair, Vice Chair, and Committee Chairs
	Description:	Encourage members to explore leadership opportunities within the CAB.
Topic 2	Work Plan Item:	Community Outreach
	Description:	Develop a strategy to promote the Citizens Advisory Board to the community.
Topic 3	Work Plan Item:	Member Recruitment
	Description:	Develop a strategy to encourage members to recruit candidates for the CAB.

