



U.S. DEPARTMENT OF
ENERGY



2023 Workplan SRS Citizens' Advisory Board (CAB) Topics for Consideration

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January 23, 2023



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Facilities Disposition & Site Remediation

Avery Hammett,
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January 23, 2023

Topic 1

Topic 1	Work Plan Item:	SRS common infrastructure/deferred maintenance/"green initiatives"
	Description:	<p>SRS common infrastructure includes an extensive network of roads, facilities, electricity / steam generation and distribution, railroads, water systems, and lakes & 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:	

Topic 2

Topic 2	Work Plan Item:	SRS Deactivation and Decommissioning (D&D) Activities
	Description:	<p>The SRS D&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&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:	

Topic 3

Topic 3	Work Plan Item:	Per-and polyfluoroalkyl substances (PFAS) Management at SRS
	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:	



U.S. DEPARTMENT OF
ENERGY



Nuclear Materials

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January 23, 2023

Topic 1

Topic 1	Work Plan Item:	C-Reactor Deuterium Oxide Disposition Plan
	Description:	<p><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.</p> <p><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.</p>
	Recommendation Deadline:	60 Days after presentation to the board (May 2023)

Topic 2

Topic 2	Work Plan Item:	Nuclear Materials Infrastructure
	Description:	<p><u>Background:</u> Provide information as it relates to planned/necessary infrastructure activities.</p> <p><u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation prioritizing/ranking the planned infrastructure activities.</p>
	Recommendation Deadline:	60 Days after presentation to the board (July 2023)

Topic 3

Topic 3	Work Plan Item:	Accelerated Basin De-Inventory
	Description:	<p><u>Background:</u> The Accelerated Basin De-Inventory program is operating.</p> <p><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.</p>
	Recommendation Deadline:	60 Days after presentation to the board (November 2023)

Topic 4

Topic 4	Work Plan Item:	SRS Legacy TRU Waste Disposition
	Description:	<p><u>Background:</u> SRS continues to work with WIPP in prioritizing disposition of legacy TRU waste at SRS.</p> <p><u>Recommendation:</u> From a community perspective, the SRS CAB will provide a recommendation regarding the prioritization of the SRS of legacy TRU Waste.</p>
	Recommendation Deadline:	60 Days after presentation to the board (January 2024)



U.S. DEPARTMENT OF
ENERGY



Waste Management

John Clark,
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January 23, 2023

Topic 1

Topic 1	Work Plan Item:	Defense Waste Processing Facility Optimizations
	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:	TBD

Topic 2

Topic 2	Work Plan Item:	Salt Waste Processing Facility Optimizations
	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:	TBD



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CAB Requested Topics / Presentations

CAB Requested Topics / Presentations

- Discuss NQA-1 and Price Anderson
- Low Level Waste activities at SRS
- Role of SRNL in providing support to SRS and other DOE facilities
- Keep us informed on NNSA transfer.
 - Role and scope of CAB in relation to NNSA
- What waste material is expected from NNSA activities - Pit Production in particular
- EM budget and associated work scope
- Update on Employee Recruitment and Retention.
 - Update from Rec 335 - 2016
- Overview of groundwater remediation activities across the site
- Provide public access to a facility that explains the historical role played by SRS
- Emergency plans; i.e., say radiological dispersion occurred, how would DOE-SR inform the public and protect the public?
- What is the status of finding a facility for long-term storage of SNF and other high-level radioactive waste? What is actively being done? What alternatives are being considered?

QUESTIONS?