National Nuclear Security Administration

FY2022 Performance Evaluation Summary

Contractor: Savannah River Nuclear Solutions, LLC
Contract: DE-AC09-08SR22470
Evaluation Period: October 1, 2021 – September 30, 2022
Basis of Evaluation: Fiscal Year (FY) 2022 Performance Evaluation and Measurement Plan (PEMP)
The FY 2022 PEMP for this contract is available at: https://www.energy.gov/nnsa/fy22-srns-pemp-final
The Contract is available at: https://www.energy.gov/nnsa/savannah-river-site-contract

Award Fee Scorecard

Goal	Rating		At Risk Available	Final
	Adjectival	Percent		
Goal-1: Mission Execution: Nuclear Weapons	Excellent	95%	$19,034,846	$18,083,104
Goal-2: Mission Execution: Global Nuclear Security	Excellent	91%	$2,959,577	$2,693,215
Goal-3: DOE & Strategic Partnership Projects Mission Objectives	N/A	N/A	$0	$0
Goal-4: Science, Technology & Engineering (ST&E)	N/A	N/A	$0	$0
Goal-5: Mission Enablement	Very Good	78%	$13,196,654	$10,293,390
Goal-6: Mission Leadership	Excellent	91%	$8,797,769	$8,005,970
Total Award Fee		**88.8%**	**$43,988,846**	**$39,075,679**

NOTE: There is no fixed fee related to the SRNS contract.

For SRNS, NNSA PEMP Goals 3 and 4 are not applicable and therefore have no associated fee.

Overall, SRNS earned a Very Good (89%) rating for FY 2022 exceeding many of the objectives and key outcomes under the PEMP goals, generally meeting overall cost, schedule, and technical performance requirements with accomplishments that greatly outweigh issues.

Accomplishments:

Goal 1

- SRNS collaborated with Los Alamos National Laboratory to establish NNSA's ability to produce at least 80 pits per year.
- SRNS completed several shipments of B61-12 gas transfer assemblies to the United States Air Force and is on schedule to support Program Control Document requirements.
- SRNS participated in the Producibility Working Group led by NNSA. All Gas Transfer System products at SRNS are currently at level "B". This has been reported at both Boost Gas Transfer System and work Gas Transfer System reviews and gates, led by the design agency.
- SRNS loaded/processed early development reservoirs in support of future Limited Life Component exchange efforts.

- SRNS coordinated and worked with NA-192 and Tennessee Valley Authority to make modeling and analysis adjustments to aid in the formulation a working plan to address Tritium-Producing Burnable Absorber Rod shipment delays

Goal 2

- SRNS supported transport planning and receipt activities for the combined Category I and III shipment of nuclear material from Japan as well as technical support for future shipments of spent nuclear fuel from Canada and Japan.
- SRNS made substantial progress on downblend operations this year by completing 3,013 equivalent downblends, which was above the required number.
- SRNS successfully placed the K-Area Complex and Storage Pad minor construction project in service on April 13, 2022.
- SRNS completed fabrication of the structure for a new Entry Control Facility and placed the building on the concrete slab in K-Area.
- SRNS supported an Analysis of Alternatives (AoA) for pit disassembly and processing, including Critical Decision (CD)-1 planning should an SRS alternative be selected from the AoA.
- SRNS supported integration efforts regarding the certification of the K-Area Transuranic waste program.
- SRNS provided effective radiological monitoring operational support to the Nuclear Emergency Support Team's response to Russia's War on Ukraine.

Goal 3

- Not Applicable

Goal 4

- Not Applicable

Goal 5

- SRNS Health Physics and Radiation Protection responded expeditiously to an emergent event involving Zinc-65 and coordinated with all stakeholders.
- SRNS successfully executed tritium enterprise small projects.
- The FY 2022 Physical Inventory of Material Balance Area H-Area Tritium Facilities was completed and exceeded all performance requirements.
- SRNS successfully performed three major open glovebox maintenance outages and two extractions in FY 2022.
- The Tritium Maintenance Organization supported the Tritium Facilities effectively throughout the year. Corrective Maintenance backlog was reduced from a high of 11,826 hours at its peak in June 2020 to under 5,000 hours.
- SRNS Cybersecurity/Information Technology completed the decommissioning, sanitization, and destruction of MOXnet in July 2022.
- SRNS achieved CD-3A for dismantle and removal of existing equipment in the future Savannah River Plutonium Processing Facility (SRPPF).
- SRNS focused on building maintenance, repairs, and energy conservation measures to reduce energy consumption. In addition, SRNS has two buildings that have met the Sustainable Building guiding principles (246-H and 246-1H).

Goal 6

- SRNS fostered a healthy Nuclear Safety Culture through the judicious use of corporate independent evaluation boards, independent verification reviews, and frequent and candid interaction with all disciplines of oversight.
- SRNS leadership instituted several initiatives to minimize operational upsets.

- SRNS demonstrated some improvement in the planning and execution of small projects.
- SRNS provided continuous learning opportunities and demonstrated improvements for developing their staff.

Issues:

Goal 1

- None

Goal 2

- None

Goal 3

- Not Applicable

Goal 4

- Not Applicable

Goal 5

- Project Y757 experienced a funding shortfall based on a previously submitted SRNS Class 3 estimate to complete the Project, which omitted $1.6 million (M) of scope
- SRNS project management and design performance has been inadequate on the Surplus Plutonium Disposition Project, increasing the overall project design costs $108M, extending the CD-2/3 approval from March 2023 to April 2024, and requiring a baseline change.
- SRPPF CD-2/3 design complete milestone and project risks continued to slip and increase, respectively, in and above the NNSA directed change and resource constraints.

Goal 6

- None