

**Fiscal Year (FY) 2021 Fee Determination Scorecard
(Extension 5)**

Contractor: Savannah River Remediation, LLC (SRR)

Contract: DE-AC09-09SR22505

Award Period: October 1, 2020 – September 30, 2021

Basis of Evaluation: Performance Evaluation Measurement Plan (PEMP) for FY 2021 Extension 5

The FY 2021 PEMP for this contract is available at: <https://srcontracts.srs.gov/>

Award Fee Scorecard:

Subjective Fee (Award Fee) Summary Table

Criteria	Maximum Available Fee	Adjectival Rating	Fee Determined from Adjectival Ratings	
			Percentage	Fee amount
Contractor will be subjectively measured against all aspects of Contract Output described in the PEMP.	\$4,549,453	Excellent	91%	\$4,140,002

Achievements:

- Protection of the Safety and Health of the Workforce:
 - Noteworthy and proactive response to the COVID-19 pandemic:
 - Frequent and timely revisions and modifications to the COVID-19 Response Plan based on continued changes in guidance.
 - Aggressive employee education and communication program reinforced by SRR leadership.
 - Developed and implemented a rapid testing program for employee use on a voluntary basis.
 - Implemented an effective and successful COVID-19 Vaccine Incentive Program with 79% of employees fully vaccinated as of September 30, 2021.
 - Achieved a Days Away, Restrictions, of Transfers (DART) rate of 0.13 during the period well under the DOE-EM goal of 0.6 and the SRR project average of 0.17.
 - Completed all operations and construction activities without an injury requiring missed work (Days Away).
- Proactive support of SWPF sustained operations:
 - Transferred high activity salt solution from Tank 49 to enable SWPF to process a record setting 2,307,537 gallons of salt waste during the period.
 - Processed a record setting 3,142,000 gallons of decontaminated salt solution through the Saltstone Production Facility.
 - Efficiently integrated the receipt of SWPF effluents with radioactive sludge from the Tank

- Farms and produced 59 DWPF waste canisters with higher waste loading. Previous waste loading restrictions would have required 67 canisters to contain the waste volume.
 - Actively worked to install waste retrieval equipment and infrastructure on 15 salt and sludge tanks in F&H Tank Farms.
- Implementation of system improvements needed to support more efficient future production:
 - Transitioned to a new DWPF antifoam agent to improve process vessel performance and allow higher throughput rates.
 - Installed an approved SCT fire suppression system allowing removal of operational restrictions.
 - Completed conversion of Tanks 41 and 42 to Salt Feed Blend service needed to prepare high volumes of salt feed to SWPF.
 - Prepared Tank 37 for new service as a highly effective 3H Evaporator System Concentrate Receipt Tank.
 - Completed SDU 7 construction and turnover to Operations ahead of schedule providing significant additional capacity for the onsite disposal of low activity process waste.
 - Completed multi-year effort to prepare Tank 9 for salt waste removal and processing using the supplemental TCCR process.
 - Developed and issued a contract proposal for implementing the Next Generation Solvent (NGS) at SWPF to significantly increase production capacity.
- Support of other SRS programs and contractor missions and goals:
 - Completed a campaign to incorporate H Canyon dissolved spent nuclear fuel into a sludge batch for vitrification at DWPF.
 - Developed and issued a contract proposal in support of the H-Canyon Accelerated Basin De-Inventory initiative.
- Satisfactory Earned Value Management System (EVMS) performance during the Extension 5 Period with a CPI of 1.05 and SPI of 1.01.
- Developed and issued Liquid Waste System Plan, Revision 22, a key planning document describing the efforts and activities necessary to complete the Liquid Waste Mission.
- Successfully coordinated efforts with SCDHEC and EPA to secure regulatory approval to operationally close Diversion Boxes 5 and 6 in F-Tank Farm.
- Demonstrated a new and more efficient concept for emptying the DWPF Chemical Processing Cell oil drain catch tank that prevents unnecessary processing downtime.
- Implemented a two-component (cement free) dry materials formulation for the Saltstone Production Facility (SPF) grout mixture used to encapsulate decontaminated salt solution for onsite disposal.
- Confirmed the significantly improved performance and longevity of the new SPF Mixer design and features.
- Successfully demonstrated the feasibility of double-stacking canisters in Glass Waste Storage Building 2 potentially eliminating the need for another storage building.
- Significantly improved the qualification process for SWPF Batch 3 utilizing new streamlined protocols. Batch 3 was qualified in seven weeks versus the three to six months historically required.

- Transitioned the 299-H Maintenance Facility from a Limited Access Area (LA) to a Property Protection Area (PPA) eliminating the need for special security clearance and access requirements.
- Developed and procured an Enhanced Commercial Submersible Mixing Pump (ECSMP) for use in waste tanks that cannot support a typical 4 pump sludge removal configuration.
- Completed SDU 7 construction and turnover to operations 8 months ahead of schedule and \$32 Million under-budget.
- Implemented improvements to the Plan of the Month (POM) schedule by better analyzing float for Waste Retrieval and Tank Closure tasks and tying the float to the salt or sludge batch need date as opposed to the end of the contract evaluation period date.
- Exceeded all socioeconomic business goals during the period and successfully established two Mentor Protégé Agreements with local small business groups.

Areas for Improvement:

- Worker Safety Incidents
- Lockout/Tagout (LOTO) and other Conduct-of-Operations related issues
- Safety Basis Implementation Issues
- Multiple Equipment Maintenance and Waste Tank Pump Failure Issues
- Lack of progress in resuming TCCR operations
- Hoisting & Rigging Weaknesses

Objective Fee (Performance Based Incentives [PBI]) Criteria Summary Table

Metric	Title	Maximum Available Fee	Criteria Completed	Fee Earned
1	SRR2021PREP-1.01: COMPLETE TANK FARM OPERATIONAL ACTIVITIES TO SUPPORT SUFFICIENT SALT FEED FOR SWPF OPERATIONS AS PLANNED. Complete Tank Farm Operational activities essential to the overall throughput of the Liquid Waste System ensuring feed is available to support SWPF initial and sustained operations.	\$6,000,000	All	\$6,000,000
2	SRR2021TREAT-1.01: COMPLETE WASTE TREATMENT OPERATIONAL ACTIVITIES TO SUPPORT SWPF OPERATIONS AS PLANNED. Complete Waste Treatment Operational activities essential to the overall throughput of the Liquid Waste System ensuring feed is available to support SWPF initial and sustained operations.	\$9,880,000	All	\$9,880,000
3	SRR2021SWPF-1.01: COMPLETE PREPARATION ACTIVITIES NECESSARY TO TRANSITION SWPF OPERATIONS TO THE LIQUID WASTE CONTRACT. Perform planning and execution of preparation activities required to assume full responsibility of SWPF Operations.	\$4,586,732	All	\$4,586,732

Metric	Title	Maximum Available Fee	Criteria Completed	Fee Earned
4	<p>SRR2021SWPF-1.02: COMPLETE SLUDGE TANK PREPARATION AND BATCHING TO PROVIDE SUFFICIENT SLUDGE FEED TO DWPF TO SUPPORT SWPF OPERATIONS AS PLANNED.</p> <p>Complete sludge tank preparation and batching essential to the overall throughput of the Liquid Waste System ensuring feed is available to support SWPF initial and sustained operations.</p>	\$5,176,090	All	\$5,176,090
5	<p>SRR2021SWPF-1.03: COMPLETE SALTSTONE DISPOSAL UNIT (SDU) CONSTRUCTION ACTIVITIES SUPPORTING SWPF OPERATIONS AS PLANNED.</p> <p>Perform SDU 7 and 8 construction critical path activities essential to support to the overall throughput of the Liquid Waste System and to ensure SWPF initial and sustained operations.</p>	\$5,500,000	All	\$5,500,000
6	<p>SRR2021REG-01.01: PERFORM OPERATIONS AND PROCESS DOCUMENTATION THAT SUPPORT REGULATORY COMMITMENTS AND FUTURE TANK CLOSURE.</p> <p>Operate TCCR, complete key activities at Tanks 9 and 10, and prepare associated documentation that support waste removal, waste processing and tank closure regulatory milestones.</p>	\$2,000,000	Partial TCCR-1A Batch 1 Not Qualified (\$500K Reduction)	\$1,500,000
7	<p>SRR2021REG-1.02: DEVELOP REGULATORY REQUIREMENTS AND PROCESS DOCUMENTATION ADVANCING PRIORITY END-STATE INITIATIVES.</p> <p>Complete key regulatory and planning scope and documentation enabling the timely closure of waste tanks and ancillary structures, and the continued disposal of salt waste consistent with existing regulatory commitments, agreements, and expectations.</p>	\$6,400,000	All	\$6,400,000
8	<p>SRR2021CLI-01.11: IMPLEMENT NGS AT SWPF-PHASE 2 CHEMICAL PROCUREMENTS (CLIN 11).</p>	\$210,923	All	\$210,923
9	<p>SRR2021CLI-01.12: SWPF TRANSITION TO LIQUID WASTE-PHASE 2 LONG LEAD MATERIALS AND EQUIPMENT (CLIN 12).</p>	\$380,562	All	\$380,562
Totals		\$40,134,307		\$39,634,307

Overall (Subjective and Objective) Fee Earned

PEMP Fee Type	Fee Amount/Range	Percent of Maximum Available Fee
Objective Criteria (PBI) Fee Earned	\$39,634,307	98.8%
Subjective Criteria Award Fee Earned	\$4,140,002	91.0%
TOTAL FEE EARNED	\$43,774,309	98.0%