

2. AMENDMENT/MODIFICATION NO. 0368
 3. EFFECTIVE DATE 10/01/2015
 4. REQUISITION/PURCHASE REQ. NO.
 5. PROJECT NO. (If applicable)

6. ISSUED BY CODE 00901
 Savannah River Operations
 U.S. Department of Energy
 Savannah River Operations
 P.O. Box A
 Aiken SC 29802
 7. ADMINISTERED BY (If other than Item 6) CODE

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)
 SAVANNAH RIVER REMEDIATION LLC
 Attn: Jeffrey J. Bair
 Savannah River Site
 Building 766-H
 Aiken SC 29808
 9A. AMENDMENT OF SOLICITATION NO.
 9B. DATED (SEE ITEM 11)
 10A. MODIFICATION OF CONTRACT/ORDER NO.
 DE-AC09-09SR22505
 10B. DATED (SEE ITEM 13)
 12/08/2008
 CODE 808376193 FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.
 Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
 No change in accounting and appropriation data

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE
 A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
 B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
 X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
 H.28 Performance Evaluation and Measurement Plan
 D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not. is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

A. The purpose of this modification is to incorporate the attached Performance Evaluation and Measurement Plan for the evaluation period of October 1, 2015, through September 30, 2016.
 B. Section J, Appendix O, is revised to add Appendix O.9 - Fiscal Year 2016 Performance Evaluation and Measurement Plan.
 C. All other terms and conditions remain unchanged.

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)
 Mark A. Schmitz, Deputy Project Manager
 15B. CONTRACTOR/OFFEROR
 Mark A. Schmitz for SAM
 15C. DATE SIGNED
 9/30/2015
 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
 Charlene Smith
 16B. UNITED STATES OF AMERICA
 Charlene Smith
 16C. DATE SIGNED
 10/1/2015



**U.S. Department of Energy
Savannah River Site**

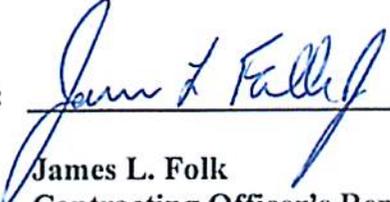
**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN**

Revision 0

**Savannah River Remediation LLC
CONTRACT NO. DE-AC09-09SR22505**

**Evaluation period:
October 1, 2015 through September 30, 2016**

Approval Page

Approval: 
James L. Folk
Contracting Officer's Representative
Acting Assistant Manager for Waste Disposition
DOE - Savannah River Operations Office

7/14/2015

Date

Approval: 
Office of Chief Counsel
DOE - Savannah River Operations Office

7/14/2015

Date

Approval: 
Jeffrey C. Armstrong
Director, Office of Acquisition Management
DOE - Savannah River Operations Office

7-14-2015

Date

Approval: 
Charlene Smith
Contracting Officer
DOE - Savannah River Operations Office

7/14/2015

Date

Approval: 
Jack R. Craig
Fee Determining Official
DOE - Savannah River Operations Office

7/16/2015

Date

Revision Summary Page

Rev. #	Rev. Date	Affected Sections/Pages	Description of Revision
0	7/15/2015	All	Initial issue

1. Purpose

This document serves as the Performance Evaluation and Measurement Plan (PEMP) identified in Section H.28, *Performance Evaluation and Measurement Plan*, for Contract No. DE-AC09-09SR22505 (Liquid Waste contract) between the U.S. Department of Energy (DOE) and Savannah River Remediation LLC, (SRR) approved December 8, 2008. This PEMP identifies the performance incentives for work funded by the base (PBS SR-0014C) funding source for the Liquid Waste program and by the Other Project Cost (PBS SR-0014C) funding source for the Salt Waste Processing Facility (SWPF) Line Item Project.

The PEMP addresses the process for determining earned fee through performance evaluation and measurement, including verifying completion documentation for technical adequacy. The PEMP process ensures evaluation and measurement of performance for accomplishment of the contract statement of work, end states and performance requirements. Performance expectations are documented in performance incentive documents consisting of explicit or implicit performance measures for each evaluation period.

Total available fee is determined according to the contract and is available for payment in accordance with contract Section B, *Supplies or Services and Prices/Cost*, and Section G, *Contract Administration Data*.

2. Key Performance Parameters

Sections of the contract specifically applicable to the PEMP and discussing key aspects of technical approach are Section C, *Statement of Work*; Section H.1, *Programmatic Risks and Uncertainties*; H.12, *Government Furnished Services and Items*; H.14, *Project Control Systems and Reporting Requirements*; and H.50, *Performance Requirements*.

Incentive strategy is based on:

- Removing sludge waste from liquid radioactive waste tanks to support preparation of sludge batches to serve as feed to the Defense Waste Processing Facility (DWPF).
- Operating the salt processing facilities to remove salt cake and supernatant from liquid radioactive waste tanks.
- Operationally closing and isolating old-style liquid radioactive waste tanks and associated facilities.

These tasks are identified in the contract statement of work. Management of landlord and custodial services for real and personal property assigned to the Liquid Waste program will also be evaluated. These tasks are identified in the contract and are implicit performance expectations.

Fee distribution in the performance incentive documents is based on a combination of an analysis of Budgeted Cost of Work Scheduled and scheduled activities considered by DOE management to be key to successful contract execution. Operational tank closure and waste removal are critical activities.

3. Integrated Project Team & Fee Board

The Assistant Manager for Waste Disposition (AMWD) will lead an Integrated Project Team (IPT) created in accordance with the requirements of DOE O 413.3B, *Program and Project*

Management for the Acquisition of Capital Assets. The IPT provides oversight of the Liquid Waste contract and monitors contract performance against performance baselines throughout contract execution, in order to satisfy mission need at Savannah River Site (SRS). The IPT is staffed and/or supported as needed by subject matter experts as well as matrix support personnel who possess specific competencies and the skill and expertise required for successful evaluation of SRR performance.

The Office of Integration and Planning leads the site Fee Board. The site Fee Board uses a fee schedule (see Attachment A) and performance incentive documents (see Attachment B) for each evaluation period to forecast expected fee expenditure based on scheduled completion dates.

4. The PEMP Process

Performance criteria are developed by federal staff with contractor input. Both federal and contractor parties strive to reach mutual agreement on expected business, operational and technical performance; working together to develop performance objectives, descriptions, associated measures and targets tied to DOE strategic goals associated with the contract scope of work. Performance incentive documents demonstrate direct flow down of DOE strategic goals and priorities into fee bearing activities, according to Department of Energy Acquisition Regulation (DEAR) 970.1100-1, *Performance-Based Contracting*, paragraph (c). The PEMP process is illustrated in Savannah River Implementing Procedure (SRIP) 400, Chapter 412.1, *Performance Evaluation and Measurement*, and includes planning, development and preparation of performance incentive documents, PEMP approval and implementation, evaluation period execution, performance assessment and invoicing.

4.1. Planning

The PEMP planning process is led by the IPT to establish evaluation and measurement of contract performance (see Section 3). Planning results in identification of performance expectations and corresponding completion criteria for fee-bearing activities. Allocation of fee is based upon strategic value to the overall Liquid Waste program.

Although individual performance incentive documents are developed for each evaluation period, the planning process also requires performance expectation and fee allocation planning for the entire contract term based upon contract scope and total available fee. Planning matures with each revision of the *Liquid Waste System Plan*. Due to the dynamic nature of the Liquid Waste program, PEMP planning is an ongoing process.

The planning process uses the following inputs, among others:

- DOE, Office of Environmental Management (EM) and site missions, strategies and execution plans
- EM Budget Planning and Funding Plans and Strategies
- Liquid Waste Program Planning Process, also referred to as the Liquid Waste System Planning Process, which results in a family of documents centered around the *Liquid Waste System Plan*
- Contract Section C, Statement of Work
- General Contract End State Requirements (included in Section C)
- Contract Clause H.50, Performance Requirements

4.2. Risk Management

DOE uses an integrated risk management process for the Liquid Waste program life cycle baseline. This ensures Liquid Waste program and its associated technical and programmatic risks are managed under an effective and responsive integrated process. A federal and contractor risk management board provides oversight to the implementation of risk management for the Liquid Waste program.

Liquid Waste program risks and opportunities are periodically assessed, graded and analyzed, and handling strategies are developed and implemented to minimize risk and maximize opportunity benefit. Analyses of risk impact are used as the basis for development of cost and schedule contingencies. Monitoring strategy implementation and feedback to system planning integrates the risk management and strategic planning processes.

The Liquid Waste program risk management plan is issued at least annually, providing DOE with the necessary input to develop the SRS risk summary and integrated contingency analysis. This plan provides a systematic process for managing, tracking and reporting risks and opportunities for the Liquid Waste program. Detailed plans are also developed that tailor the management, tracking and reporting of risks and opportunities for each sub-element.

4.3. Change Control

Changes to the PEMP and the performance incentive documents are subject to the change control process described in SRIP 400, Chapter 412.1, *Performance Evaluation and Measurement*. Proposed changes shall include a description and justification, address the impact of non-approval and include any proposed fee changes by evaluation period. Changes proposed by SRR will be submitted to the DOE Contracting Officer (CO), who will then request the IPT to review the change request, and make a recommendation to the CO to approve with or without changes or disapprove the proposal. The contractor is advised that proposed changes should not be submitted in an effort to relax requirements simply due to delays or failures by the contractor to complete work within its control.

All changes require review and concurrence from the Head Contracting Activity office, and are subject to the Business Clearance Review process.

4.4. Reporting

The reporting of performance against performance incentive documents will be integrated with other reporting mechanisms and conducted in accordance with applicable portions of the contract.

COs and program officials shall consistently and accurately document real-time contractor performance and ensure that it is recorded both in detail in the contract file and in the appropriate format in the Contractor Performance Assessment Reporting System.

4.5. Performance Assessment and Fee Determination

The government will determine earned fee through evaluation and measurement of contractor performance against the performance requirements specified in performance incentive documents (see Attachment B). The government will assess contractor work products against the completion criteria and acceptance criteria specified in the performance incentive documents to include reviews of supporting documentation and walkdown of physical work

in the field. The Fee Determining Official (FDO) has sole authority to determine earned fee. The FDO is supported by and receives recommendations from the Fee Board.

The amount of fee awarded for an incentive is based on completing expected performance as scheduled and providing timely and accurate documentation. For all Performance Based Incentives (PBIs), the contractor is expected to perform the work effort in a quality manner, within the overall cost of the Contract Performance Baseline, such that potential rework and waste are minimized. Expected performance completed after the scheduled completion date, but still within the evaluation period, may be eligible for reduced fee based on a unilateral decision by the government that may consider timeliness of performance, quality of the product, resultant documentation of completion or other factors deemed appropriate by the FDO. Funding associated with any unearned fee will be made available for the performance of contract scope. Note: In accordance with Section H.28 (g) of the contract, “any unearned fee from the award fee made available for each evaluation period, Performance Based Incentive (PBI), or other incentive shall not be eligible to be earned under future periods, PBIs, or incentives.”

Fee may be reduced per contract Section B.5, *DEAR 970.5215-3, Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts (ALTERNATE II) (JAN 2004) (DEVIATION)*.

Upon receipt of direction from the FDO, the CO will provide consent to the contractor to submit a fee invoice per Section G.7 (b) of the contract.

Per contract section H.28, SRR may submit an overall self-evaluation of performance for each evaluation period. The self-evaluation will be given such consideration as the FDO shall find appropriate.

4.6. Invoicing and Fee Payment

Fee will be paid as prescribed in Section B.2. (h) of the contract. Earned fee will be invoiced consistent with Section G of the contract. The invoice will include the performance incentive document validation/assessment requests submitted for the evaluation period.

5. Federal Oversight of Contractor Performance

Procedures for oversight of contractor performance are described in Savannah River Manual (SRM) 226.1.1, *Integrated Performance Assurance Manual*. The contractor oversight system is founded on an integrated safety management system that emulates DOE P 450.4, *Safety Management System Policy*. SRM 226.1.1 describes processes that comprise the contractor oversight system that DOE uses to: (1) clearly communicate requirements and expectations to contractors; (2) assess the quality, effectiveness, and efficiency of contractor assurance systems and resulting work products in complying with contract requirements; (3) effect continuous improvement in contractors’ operations; and (4) enhance the effectiveness of DOE oversight of contractor performance.

In accordance with DOE O 226.1B, the site also uses independent and self-assessments to determine effectiveness of site assessment of the implementation of contractor assurance systems for environment, safety, and health; safeguards and security; emergency management; cyber security; and business practices systems and their sub-elements. Results from both independent

and self-assessments, in addition to external assessments provide insight into areas where improvements in contractor oversight can be made. The end result is a management system that regularly assesses performance, assures comprehensive corrective action, and provides continuous improvement by identifying, correcting and preventing problems that hinder the achievement of site missions.

Attachment A: Fee Schedule

Contract Term	Evaluation Period	Start	Finish	Evaluation Period Fee Allocation	5% Provisional Fee per Month *
Basic	1	4/15/2010	9/30/2010	\$ 39,171,018.00	\$ 1,958,550.90
	2	10/1/2010	9/30/2011	\$ 31,370,000.00	\$ 1,568,500.00
	3	10/1/2011	9/30/2012	\$ 31,775,347.36	\$ 1,588,767.37
	4	10/1/2012	9/30/2013	\$ 31,370,000.00	\$ 1,568,500.00
	5	10/1/2013	9/30/2014	\$ 28,500,000.00	\$ 1,425,000.00
	Multi-year - Capital Asset (CAP) Asset (Note 1)	4/17/2014	6/30/2015	\$ 1,500,000.00	N/A
	6	10/1/2014	6/30/2015	\$ 22,140,000.00	\$ 1,476,000.00 (Note 2)
	Total, Basic				\$ 185,826,365.36
Option 1	7	7/1/2015	9/30/2015	\$ 6,527,000.00 (Note 3)	\$ 945,400.00 (Note 4)
	Multi-year - CAP Asset (Note 1)	7/1/2015	6/30/2017	\$ 3,500,000.00	N/A
	8	10/1/2015	9/30/2016	\$ 24,600,000.00 (Note 5)	\$ 912,500 (Note 6)
	9	10/1/2016	6/30/2017	\$ 17,344,205.00	\$ 1,156,280.33 (Note 7)
	Total, Option 1				\$ 51,971,205.00
Total, Basic and Option 1				\$ 237,797,570.36	

* Based upon 5% of the Fee Allocation for a comparable annual amount and not to exceed 60% of total available fee on an annual basis.

Note 1: The Capital Asset PEMP Addendum includes a Performance Incentive Document for duration of the SDU 6 Project that extends beyond the current Base and Option 1 Periods (until 11/30/2018) and has Activity Based Milestones totaling \$5.0M.

Note 2: Evaluation Period 6 is a nine month period. Therefore, for this period the Provisional Fee is calculated as follows:

Provisional Fee per Month = $(\$22,140,000 \times 0.60) / (9) = \$1,476,000$ per month

Note 3: Evaluation Period 7 includes a tentative \$1,800,000 for fee associated with undefinitized scope (Contract Modification 358). No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.

Note 4: Evaluation Period 7 is a three month period. Therefore, for this period the Provisional Fee is calculated as follows:

Provisional Fee per Month = $((\$6,527,000 - \$1,800,000) \times 0.60) / (3) = \$945,400$ per month

This amount could increase to \$1,305,400 per month after the change order is definitized. No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.

Note 5: Evaluation Period 8 includes a tentative \$6,350,000 for fee associated with undefinitized scope (Contract Modification 358). No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.

Note 6: Evaluation Period 8 is a twelve month period. Therefore, for this period the Provisional Fee is calculated as follows:

Provisional Fee per Month = $((\$24,600,000 - \$6,350,000) \times 0.60) / (12) = \$912,500$ per month

This amount could increase to \$1,230,000 per month after the change order is definitized. No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.

Note 7: Evaluation Period 9 is a nine month period. Therefore, for this period the Provisional Fee is calculated as follows:

Provisional Fee per Month = $(\$17,344,205 \times 0.60) / (9) = \$1,156,280.33$ per month

Attachment B: Performance Incentive Documents



Performance Incentive Document

PBI Number:	SRR2016MGMT
Activity Name:	Program Management
WBS Number:	01.90.04
Performance Period:	October 1, 2015 - September 30, 2016
Allocated Fee: Base Fee Pool	\$ 2,800,000
Revision Number:	0
Senior level manager name: Jim Folk, Acting AMWD	
Senior Level Supervisor/Division Manager Name: Jean Ridley, Director, Waste Disposition Program Director (WDPD)	
Performance Requirement:	
Contract Sections – All Provide quality-driven program management as outlined in the contract, optimize Liquid Waste system performance, and perform approved scope at or below cost.	
Contract Output: SRR2016MGMT-01 The Contractor shall provide safe, timely, and cost-effective management and execution of the Liquid Waste program. Performance areas evaluated cover all aspects of successful contract execution, with special emphasis on the safe, timely and cost-effective management and execution of Contract Section C, <i>Scope of Work</i> , and optimizing Liquid Waste system performance, i.e., accelerating tank closures and maximizing waste throughput at the DWPF while ensuring sufficient tank space for continued long term operations. Contractor shall be evaluated on efficiency and effectiveness of contract execution; anticipation, identification and avoidance of problems that could adversely impact contract execution; innovation and timeliness in resolution of issues impacting contract execution; responsiveness to DOE customer needs, and effective contractor human resources management. Special focus areas of this performance period will be 1) the effectiveness of the contractor’s cost controls, 2) the effectiveness of the contractor's maintenance program, 3) effectiveness of the contractor’s emergency preparedness program and 4) effectiveness of contractor human resources management. Customer service is an implicit performance expectation. The contractor’s performance will be evaluated routinely throughout the period to provide feedback in cross-cutting areas, such as safety, efficient use of trained and qualified human	

capital, quality, continuous improvement, cost effectiveness, timeliness of deliverables, compliance with contract, etc. The Contractor will work collaboratively with the Savannah River (SR) Maintenance and Operations (M&O) contractor, the SWPF Project contractor, and other site contractors as specified in Section J, Appendix N of the contract.

This evaluation is supported by Special Emphasis Area (SEA) 1: Cost Control Clawback described in Attachment C.

Government Furnished Services and Items (GFS/I):

The Target Dates and Completion Dates for the following Milestones are based on availability of the funds described by Letter, Smith to Bair, DE-AC09-09SR22505: *Savannah River Remediation LLC (SRR) Office of Environmental Management (EM) Revised Interim Fiscal Year (FY) 2016 Expected Funds, BD-15-0018*, dated June 30, 2015. Further, the target dates and completion dates are based on SRS Site Infrastructure Services provided per SRR-approved schedules (e.g., steam, site access, etc.). Any change in the schedule for funds availability or SRS Site Services, including interruption caused by Continuing Resolution or other action, may result in renegotiation/revision to impacted milestones.

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2016MGMT-01.01	9/30/2016	\$ 2,500K	Performance will be evaluated for the period October 1, 2015 - September 30, 2016. Performance areas evaluated cover all aspects of Contract Output described above. The evaluation will use the adjectival rating and associated description shown in the table below.
SRR2016MGMT-01.02	9/30/2016	\$ 200K	Develop a SRR Emergency Management Strategy and drill scenarios to SCD-7, Rev. 12 [3/12/15] and 2S, Procedure 3.3, Rev. 8 for DWPF and H-Tank Farm. Conduct three Table-top drills/exercises, (two 2S drills and one SCD-7 exercise). Conduct one evaluated SCD-7 exercise. Conduct two 2S drills. Issue approved After-Action Reports for two Table-top drills, two 2S drills and one SCD-7 exercise. Place into and close 2/3 of the corrective actions into Site Tracking, Analysis & Reporting (STAR).

SRR2016MGMT-01.02-01	9/30/2016	\$ 100K	Implement upgrades in the H-Tank Farm Facility to the Public Address System to support notification of personnel of emergency conditions in accordance with DOE O 151.1C, Comprehensive Emergency Management System and SCD-7, SRS Emergency Plan per Contract Section J – List of Attachments, Appendix D – List B, Applicable DOE Directives, Orders, Laws and Regulations.
Acceptance Criteria:			
SRR2016MGMT-01.01	Contractor will be subjectively measured against all aspects of Contract Output described above		
SRR2016MGMT-01.02	<p>Verification of the following:</p> <ol style="list-style-type: none"> 1) SRR-approved Emergency Management Strategy as required by SCD-7 that demonstrates required drill elements and alignment to DSA-required actions and EALs, (\$50K) 2) One SRS-approved Tank Farm Initiated Annual Site wide exercise scenario 3) Two new SRR-approved 2S Manual, Procedure 3.3, Rev. 8 drill scenarios [i.e., Chemical Processing Cell (CPC) Vessel Explosion (DWPF), Waste Tank Deflagration (H-Tank Farm)] 4) Completion of one Table-top and one 2S Manual, Procedure 3.3, Rev. 8 drill for CPC Vessel Explosion in DWPF including After-Action Report and corrective actions documented in STAR. 5) Completion of one Table-top and one 2S Manual, Procedure 3.3, Rev. 8 drill for Waste Tank Deflagration in H-Tank Farm including After-Action Report and corrective actions documented in STAR. 6) Completion of one evaluated Seismic Event exercise, including Table-top, in H-Tank Farm according to SCD-7, Rev. 12, including After-Action Report and corrective actions documented in STAR. 7) Closure of at least 2/3 of corrective actions resulting from completion of Items 4 – 6 as documented in STAR. <p>(\$150K for Items 2 through 7)</p>		
SRR2016MGMT-01.02-01	Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion		

Award Fee Adjectival Rating (applies to SRR2016MGMT-01.01 only)

Award-Fee Adjectival Rating	Award-Fee Pool Available To Be Earned	Description
Excellent	91%-100%	Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Very Good	76%-90%	Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Good	51%-75%	Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Satisfactory	No Greater Than 50%	Contractor has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.
Unsatisfactory	0%	Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.



Performance Incentive Document

PBI Number:	SRR2016TREAT
Activity Name:	AMWD, Waste Treatment: DWPF, Saltstone
WBS Number:	01.90.03, 01.90.07, 01.90.22
Performance Period:	October 1, 2015 - September 30, 2016
Allocated Fee:	\$7,100,000
Revision Number:	0
Senior Level Manager Name: Jim Folk, Acting AMWD	
Senior Level Supervisor/Division Manager Name: Jean Ridley, Director, WDPD	
Performance Requirement:	
Contract Section C – Statement of Work Contract Mod 358 Attachment 1 Section H.50 4.a. Produce 1,536 canisters at DWPF by the end of Option 1 of the contract.	
Contract Output: SRR2016TREAT-01 The processing of sludge and salt waste feed at DWPF contributes to risk reduction tank closure efforts. Ensuring the availability of key spare equipment (i.e., melters) is a contract requirement and helps ensure against an extended DWPF shutdown due to lack of a spare melter in the event of melter failure.	
GFS/I: The Target Dates and Completion Dates for the following Milestones are based on availability of the funds described by Letter, Smith to Bair, DE-AC09-09SR22505: Savannah River Remediation LLC (SRR) Office of Environmental Management (EM) Revised Interim Fiscal Year (FY) 2016 Expected Funds, BD-15-0018, dated June 30, 2015. Further, the target dates and completion dates are based on SRS Site Infrastructure Services provided per SRR-approved schedules (e.g., steam, site access, etc.). Any change in the schedule for funds availability or SRS Site Services, including interruption caused by Continuing Resolution or other action, may result in renegotiation/revision to impacted milestones.	

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2016TREAT-01.01	150	\$ 2,250K	Produce up to 150 canisters @ \$15K per canister produced with a maximum available fee of \$2,250K
SRR2016TREAT-01.02-01, -02, -03, -04	9/30/2016	\$ 500K	<p>Required System Health Upgrades: Improve operational reliability by replacing obsolete equipment:</p> <ul style="list-style-type: none"> -01 Replace 6 obsolete controllers on Steam Reduction Station (\$150K) -02 Implement Local Control Stations (LCSs) 358/359/360 modifications to eliminate obsolete Moore controllers (\$150K) -03 Procure 1-set of melter Monofrax Refractory (\$150K) -04 Replace S-Area Fire Suppression System Pump (\$50K) <p>(Maximum available fee is \$500K)</p>
SRR2016TREAT-01.03-01, -02, -03, -04, -05	9/30/2016	\$ 350K	<p>Required System Health Upgrades: Improve and replace aging infrastructure:</p> <ul style="list-style-type: none"> -01 Size reduction of a failed Electro mechanical manipulator (EMM) bridge and remove it from 221-S (\$50K) -02 Installation of a new EMM bridge in Remote Equipment Decontamination Cell (\$100K) -03 Replacement of two Zone 2 variable inlet vanes to improve infrastructure for end of life equipment (\$50K) -04 Replacement of 25 Main Processing Cell crane hydraulic hoses to improve system health and replace end of life equipment (\$100K) -05 Replacement of end of life 25% cooling tower pump (\$50K) <p>(Maximum available fee is \$350K)</p>

<p>SRR2016TREAT-01.04-01, -02</p>	<p>9/30/2016</p>	<p>\$ 200K</p>	<p>Required System Health Upgrades: Improve operational reliability by replacing obsolete equipment: -01 Installation and implementation of a new Inductively-Coupled Plasma Emission Spectrometer (ICP-ES) in M13 lab (\$100K) -02 Implementation of a new Product Composition Control System (PCCS) computer software platform to replace critical obsolete system required to qualify Slurry Mix Evaporator batches (\$100K) (Maximum available fee is \$200K)</p>
<p>SRR2016TREAT-01.05-01, -02, -03</p>	<p>9/30/2016</p>	<p>\$ 150K</p>	<p>Required System Health Upgrades: Complete Design Activities for: -01 One obsolete Zone 1 exhaust ventilation motor (\$50K) -02 Providing Shielded Canister Transporter (SCT) hydraulic cooling to allow for day operations (\$50K) -03 SCT fire suppression system per DOE Fire Protection request (\$50K) (Maximum available fee is \$150K)</p>
<p>SRR2016TREAT-01.06-01, -02,-03, -04</p> <p>Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.</p>	<p>-01, -02, -03 9/30/2016</p>	<p>\$ 750K</p>	<p>Accelerate Glycolic Acid Flowsheet and integrate resolution of three key safety basis issues (Retained H2, Antifoam Degradation, and Melter Off-Gas PISAs): -01 Complete Radioactive Demonstration for deployment of Glycolic Acid Flowsheet in DWPF (\$250K) -02 Complete Development of a mitigated Consolidated Hazard Analysis (CHA) for implementation of Glycolic Acid Flowsheet and Integrated PISA Strategy in DWPF (\$125K)</p>

	-04 8/31/2016		-03 Complete Development of Purge Calculations for Integrated PISA (Retained H2, Antifoam, & MOG) Resolution in DWPF (\$125K) -04 Complete evaluations and submit DSA/TSR change to replace Retained H2, Antifoam, & MOG (non-bubbled operations) ESSs and support continued coupled processing with antifoam for Sludge Batch 9 (formic acid flowsheet)(\$250K). (Maximum available fee is \$750K)
SRR2016TREAT-01.07 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	150	\$ 600K	Modify up to 150 canister positions in Glass Waste Storage Building (GWSB)-1 to accommodate double stacking (@ \$4K/Location) (Maximum available fee is \$600K)
Contract Output: SRR2016TREAT-02 The processing of low activity salt solution at the Saltstone Production Facility and its disposal at the Saltstone Disposal Facility contributes to reduction of stored waste in the tank farms and facilitates tank closure activities. The construction and commissioning of Saltstone Disposal Units (SDUs) supports the continued operation of the Saltstone Production Facility.			
SRR2016TREAT-02.01	1,500K gallons	\$ 1,500K	Process up to 1,500K gallons of Tank 50 material into grout @ \$1/gal
SRR2016TREAT-02.02 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	6/30/2016	\$ 250K	Complete Salt Solution Receipt Tank Readiness Assessment
SRR2016TREAT-02.03	3/31/2016	\$ 300K	Complete development of responses to the Requests for Additional Information (RAIs) from the U.S. Nuclear Regulatory Commission (NRC) on the Fiscal Year 2014

			Saltstone Disposal Facility Special Analysis (SRR-CWDA-2014-00006)
SRR2016TREAT-02.04	4/30/2016	\$ 250K	Issue SRR approved analysis report on SDU Cell 2A Emplaced Sample testing
Acceptance Criteria			
SRR2016TREAT-01.01	Verification that canisters have been filled to the 100 inch level, averaging 36% waste loading, and have successfully passed their leak check test as documented through the Daily Shift Reports		
SRR2016TREAT-01.02-01, -02, -03, -04	-01 Verification of field installation by review of completed work package tasks (including photographic evidence of completion) and verification of completed Operations Acceptance Checklist (OAC) in accordance with Procedure WM-AP-3029 for Steam reduction station controllers -02 Verification of field installation by review of completed work package tasks and verification of completed OAC in accordance with Procedure WM-AP-3029 for LCSs -03 Verification of Purchase Order/Request, and Receipt Inspections (If Level 1 procurement) and photographic evidence of received equipment OR verification of Purchase Order/Request and Receipt (If level 2 or 3 procurement) and photographic evidence of received equipment -04 Verification of field installation by review of completed work package tasks (including photographic evidence of completion) and verification of completed Operations Acceptance Checklist (OAC) in accordance with Procedure WM-AP-3029 for S-Area Fire Suppression System Pump.		
SRR2016TREAT-01.03-01, -02, -03, -04, -05	-01, -02, -03, -04, -05 Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion.		
SRR2016TREAT-01.04-01, -02	-01 Verification of approved Savannah River National Lab (SRNL) authored side-by-side comparison of DWPF's ICP-ESs (M14 vs. M13) and visual/photographic evidence of installed ICP-ES -02 Verification of successful performance of software acceptance test		
SRR2016TREAT-01.05-01, -02, -03	-01, -02, -03 Verification that corresponding designs prepared, reviewed and approved in accordance with Savannah River Site Manual E7, Conduct of Engineering, have been submitted to Document Control Register (DCR)		
SRR2016TREAT-01.06-01, -02,-03, -04	-01 Verification of Radioactive Demonstration to enable deployment of Glycolic Acid Flowsheet by review of SRR approved technical report -02 Verification of mitigated Consolidated Hazard Analysis (CHA) documents, in accordance with Manual SCD-11 Consolidated Hazard		

	<p>Analysis Process Program and Methods</p> <p>-03 Verification by review of SRR approved calculations</p> <p>-04 Verification by review of FOSC approved and submitted DSA/TSR revision acceptable for Sludge Batch 9 coupled operations (formic acid flowsheet)</p>
SRR2016TREAT-01.07	<p>Verification of Construction Turnover and OAC of modified canister locations. Procedure WM-AP-3029 for <i>Operations Acceptance of Design Modifications for Liquid Waste</i> and Manual S-23 Procedure 1.7 for <i>Construction Turnover</i></p>
SRR2015TREAT-02.01	<p>Verification of total gallons processed through review of facility log entries and field observations</p>
SRR2016TREAT-02.02	<p>Verification of issuance of approval to Startup Letter by SRR Startup Authority</p>
SRR2016TREAT-02.03	<p>Verification of SRR approved report, prepared to meet defined deliverables, documenting responses to NRC on the Fiscal Year 2014 Saltstone Disposal Facility Special Analysis RAIs. RAI response document generated in accordance with Manual S4 Procedure ENG.51, <i>Verification and Checking of Technical Documents</i></p>
SRR2016TREAT-02.04	<p>Verification of SRR approved report, prepared in accordance with defined deliverables and SRR procedures, including visual evidence of testing process. Report is generated in accordance with Manual S4 Procedure ENG.51, <i>Verification and Checking of Technical Documents</i>. The Technical Task Request to SRNL is generated in accordance with Manual E7 Procedure 2.02A, <i>LW Baseline Technical Task Requests</i>.</p>



Performance Incentive Document

PBI Number:	SRR2016PREP
Activity Name:	AMWD, Sludge and Salt Batch Preparation/Processing/Support, ARP/MCU Operations, Tank 48 Treatment
WBS Number:	01.90.02, 01.90.20
Performance Period:	October 1, 2015 - September 30, 2016
Allocated Fee:	\$6,700,000
Revision Number:	0
Senior Level Manager Name: Jim Folk, Acting AMWD	
Senior Level Supervisor/Division Manager Name: Jean Ridley Director, WDPD	
Performance Requirement: Contract Section C – Statement of Work Contract Section H.50 (b) 7 Improve ARP/MCU [Actinide Removal Process/Modular Caustic Side Solvent Extraction Process] operations	
Contract Output: SRR2016PREP-01 The preparation of sludge and salt waste batches for processing at waste treatment facilities is critical to support efficient and effective waste treatment facilities' operations, remove waste from the tank farms and facilitate tank closures. Effective and efficient ARP/MCU operations and installation of life extension upgrades are critical during the interim period leading to startup of the SWPF.	
GFS/I: The Target Dates and Completion Dates for the following Milestones are based on availability of the funds described by Letter, Smith to Bair, <i>DE-AC09-09SR22505: Savannah River Remediation LLC (SRR) Office of Environmental Management (EM) Revised Interim Fiscal Year (FY) 2016 Expected Funds, BD-15-0018</i> , dated June 30, 2015. Further, the target dates and completion dates are based on SRS Site Infrastructure Services provided per SRR-approved schedules (e.g., steam, site access, etc.). Any change in the schedule for funds availability or SRS Site Services, including interruption caused by Continuing Resolution or other action, may result in renegotiation/revision to impacted milestones.	

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2016PREP-01.01-01	1,000K gallons	\$ 2,000K	Process up to 1 Mgal of salt solution from Tank 49 @ \$2/gallon with a maximum available fee of \$2,000K
SRR2016PREP-01.01-02	Up to 500K gal from Tank 49 AND/OR Up to 1.1 M gal of Additional Tank Space	\$ 1,000K	a) Achieve additional ARP/MCU gallons processed (up to an additional 500 kgal of salt solution from Tank 49 @ \$2/gallon) b) After creating a minimum of 1.2 Mgal of space gain by operation of 2H/3H evaporators or by DWPF recycle beneficial reuse , achieve additional tank space of 1.1 Mgal @ \$0.4/gallon c) The combination of a) and b) cannot exceed \$1,000K. (Maximum available fee is \$1,000K)
SRR2016PREP-01.02	9/30/2016	\$ 500K	Complete Salt Batch 9 qualification
SRR2016PREP-01.03	9/30/2016	\$ 500K	Complete Sludge Batch 9 qualification
SRR2016PREP-01.04	9/30/2016	\$ 750K	Required System Health Upgrades: Complete repair or replacement of 3 mixer pumps in Tank 22
SRR2016PREP-01.05	9/30/2016	\$ 750K	Required System Health Upgrades: Complete Installation of submersible mixing pumps (SMPs) in Tank 13
SRR2016PREP-01.06-01, -02	9/30/2016	\$ 400K	Required System Health Upgrades: Restore reliability of Tank 40 (DWPF feed tank): -01 Replace degraded Tank 40 slurry pump (\$200K) -02 Replace Tank 40 Telescoping Transfer Jet (\$200K) (Maximum available fee is \$400K)

SRR2016PREP-01.07	9/30/2016	\$ 400K	Required System Health Upgrades: Restore transfer facility infrastructure: Correct known vulnerabilities (e.g., valve handle extension coupling design susceptible to shear pin failure, inoperable valves, valves with drip-wise leakage, etc.) to waste transfer valves in 2 transfer facilities (diversion boxes, pump pits or valve boxes) (Maximum available fee is \$400K)
SRR2016PREP-01.08	9/30/2016	\$ 400K	Required System Health Upgrades: Replace up to 4 waste tank purge ventilation components (Safety Significant/Safety Class [SC/SS] reheaters, SC/SS ducts, SC/SS fan motors, SC/SS fans, SC/SS exhaust stack extensions, and/or continuous exhaust stack monitoring) (@ \$100K/each) (Maximum available fee is \$400K)
Acceptance Criteria			
SRR2016PREP-01.01-01	Verification of total gallons processed through review of Tank Farm operations morning reports and field (site) observations/inspections.		
SRR2016PREP-01.01-02	Verification of total Tank 49 gallons processed through review of Tank Farm operations morning reports and field (site) observations/inspections and Verification of total gallons removed from evaporator system tanks and total gallons of DWPF recycle used for salt dissolution or salt batch make-up through review of Tank Farm operations morning reports and field (site) observations/inspections.		
SRR2016PREP-01.02	Verification of qualification of the Salt Batch 9 as it resides in Tank 21 such that it will meet downstream Saltstone Waste Acceptance Criteria (X-SD-Z-00001, Latest Revision), DWPF Waste Acceptance Criteria (X-SD-G-00008, Latest Revision), and Tank Farm Waste Acceptance Criteria (X-SD-G-00001, Latest Revision) requirements based on review of an SRR approved technical report.		
SRR2016PREP-01.03	Verification of qualification of the Sludge Batch 9 as it resides in Tank 51 such that it will meet downstream DWPF Waste Acceptance Criteria (X-SD-G-00008, Latest Revision) requirements based on review of an SRR approved technical report. Qualification may be performed under either the current technical baseline flowsheet or the future glycolic acid flowsheet.		

SRR2016PREP-01.04	Verification of field installation by review of completed work package tasks or verify operability documentation and visual/photographic evidence of completion to establish 3 operable mixer pumps in Tank 22
SRR2016PREP-01.05	Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion to establish 3 operable SMPs in Tank 13
SRR2016PREP-01.06-01, -02	-01, -02 Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion
SRR2016PREP-01.07	Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion
SRR2016PREP-01.08	Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion



Performance Incentive Document

PBI Number:	SRR2016TANK
Activity Name:	AMWD, Waste Removal & Tank Closure
WBS Number:	01.90.01
Performance Period:	October 1, 2015 - September 30, 2016
Allocated Fee:	\$6,750,000
Revision Number:	0
Senior Level Manager Name: Jim Folk, Acting AMWD	
Senior Level Supervisor/Division Manager Name: Jean Ridley Director, WDPD	
Performance Requirement:	
Contract Section C – Statement of Work Contract Mod 358 Attachment 1, Section H.50 1.b. The Contractor will operationally close 6 old style tanks by the end of Option 1 (4 by the end of the Basic Term, 2 additional by the end of Option 1).	
Contract Output: SRR2016TANK-01 Completion of bulk waste removal (BWR), heel removal, tank cleaning, transfer system isolation, necessary modifications for tank grouting and tank grouting are essential elements of the tank closure program. Completion of BWR and closure efforts is required to comply with Federal Facility Agreement (FFA) commitments and demonstrate progress toward risk reduction and achieving tank closure commitments. Completion of technical documents to support waste removal and operational closure decisions by DOE and external agencies.	
GFS/I: The Target Dates and Completion Dates for the following Milestones are based on availability of the funds described by Letter, Smith to Bair, <i>DE-AC09-09SR22505: Savannah River Remediation LLC (SRR) Office of Environmental Management (EM) Revised Interim Fiscal Year (FY) 2016 Expected Funds, BD-15-0018</i> , dated June 30, 2015. Further, the target dates and completion dates are based on SRS Site Infrastructure Services provided per SRR-approved schedules (e.g., steam, site access, etc.). Any change in the schedule for funds availability or SRS Site Services, including interruption caused by Continuing Resolution or other action, may result in renegotiation/revision to impacted milestones.	

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2016TANK-01.01 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	10/15/2015	\$ 100K	Complete evaluation of cesium removal technology to support accelerated closure of tanks
SRR2016TANK-01.02	9/30/2016	\$ 1,000K	Complete development and issue a H-Tank Farm (HTF) Type I and Type II Tanks Forward-Looking Special Analysis
SRR2016TANK-01.03	9/30/2016	\$ 500K	Complete development and issue a technical report documenting the results on tank residual waste release testing
SRR2016TANK-01.04 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	5/31/2016	\$ 1,500K	Optimize physical completion of Tank 12 closure by completing first of a kind grouting of Type I High Level Waste Tank 12 in HTF in accordance with approved closure module (Maximum available fee is \$1,500K)
SRR2016TANK-01.05	9/30/2016	\$ 1,500K	Complete Tank 15 Bulk Waste Removal Effort (BWRE) (Maximum available fee is \$1,500K)
SRR2016TANK-01.06	9/30/2016	\$ 250K	Complete all actions necessary to support declaration of BWREs complete on two

			high level waste tanks by 9/30/2016
<p>SRR2016TANK -01.07</p> <p>Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.</p>	9/30/2016	\$ 300K	<p>Completion of Industrial Wastewater Permit documents required under the HTF General Closure Plan for Tanks 16 and 12</p> <p>(Maximum available fee is \$300K)</p>
<p>SRR2016TANK -01.08</p> <p>Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.</p>	9/30/2016	\$ 1,600K	<p>Complete Tank 26 Riser Dismantle and Remove (D&R) and BWR system installation</p> <p>(Maximum available fee is \$1,600K)</p>

Acceptance Criteria	
SRR2016TANK-01.01	Verification of an SRR approved presentation providing details of cesium removal technology and financial evaluation to South Carolina Department of Health and Environmental Control (SCDHEC) and U.S. Environmental Protection Agency per ARF-20177, <i>Statement of Resolution of Dispute Concerning Extension of Federal Facility Agreement (FFA) Closure Date</i>
SRR2016TANK-01.02	Verification of SRR approved HTF Type I and Type II Forward-Looking Special Analysis report, prepared consistent with DOE Manual 435.1-1 and associated guidance, per Contract Section J – List of Attachments, Appendix D – List B, Applicable DOE Directives, Orders, Laws and Regulations, and incorporating information learned through the cleaning and characterization of Tanks 12 and 16. Special Analysis report generated in accordance with Manual S4 Procedure ENG.51, <i>Verification and Checking of Technical Documents</i> . Any changes identified during special analysis revisions are evaluated per DOE Manual 435.1-1, Chapter II.U.(3) (a) 3
SRR2016TANK-01.03	Verification of SRR approved report documenting the results of tank residual waste release testing and assessing the impacts to current FTF and HTF performance assessment modeling performed consistent with DOE Manual 435.1-1 and associated guidance as required per Contract Section J – List of Attachments, Appendix D – List B, Applicable DOE Directives, Orders, Laws and Regulations. The document will be generated in accordance with Manual S4 Procedure ENG.51, <i>Verification and Checking of Technical Documents</i> . The Technical Task Request to SRNL is generated in accordance with Manual E7 Procedure 2.02A, <i>LW Baseline Technical Task Requests</i>
SRR2016TANK-01.04	Verification of an SRR approved Tank 12 Closure Module Addendum, Revision A, Tier 2 Closure Plan, Class C Concentration Calculation and Maximum Extent Practical Report, prepared in accordance with defined deliverables, and SRR-CWDA-2011-00022, <i>Industrial Wastewater General Closure Plan for H-Area Waste Tank Systems</i> , ready to submit to SCDHEC. Due Date: 2/28/2016; Fee: \$250K Verification of field installation by review of completed work package tasks and visual/photographic evidence of completion. Grout packages may include unfinished tasks as needed for demobilization and clean-up. Due Date: 5/31/16; Fee: \$1,250K

SRR2016TANK -01.05	<p>Structural steel modifications are completed to support SMP installation, as verified of field installation by review of completed work package tasks and visual/photographic evidence of completion. Due date: 3/30/2016; Fee: \$250K</p> <p>Mixing systems are installed into Tank 15 to support BWRE as verified of field installation by review of completed work package tasks and visual / photographic evidence of completion. Due Date 6/30/2016; Fee: \$1,000K</p> <p>Completion of Tank 15 BWRE as verified by review of completed Tank 15 to Tank 13 BWRE transfer procedure. Due Date: 9/30/2016; Fee: \$250K</p>
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<p>SRR2016TANK -01.06</p>	<p>Verification of selection of two tanks proposed for Bulk Waste Removal Efforts complete. Verification of completion of physical activities necessary to declare Bulk Waste Removal Efforts complete. Verification of an SRR approved presentation(s) declaring FFA Milestone Bulk Waste Removal Efforts complete for two high level waste tanks (tanks may require beneficial re-use, if needed to meet the System Plan requirements). Presentation(s) will be developed in accordance with WSRC-OS-94-12, <i>Federal Facility Agreement for the Savannah River Site</i></p>
<p>SRR2016TANK -01.07</p>	<p>Verification of an SRR approved Tank 16 Final Configuration report, Revision A, with DOE-SR and SRR comments incorporated and ready for submittal to SCDHEC. Revision A will be certified by a SC professional engineer. Due Date: 3/31/2016; Fee: \$100K</p> <p>Verification of SRR approved Interim Action Statement of Basis/Proposed Plan for HTF (Tank 16) and Interim Record of Decision developed as required by the HTF General Closure Plan and per Contract Section C – Statement of Work, Subsection C.1.12 Tank and Associated Facilities Closure. Due Date: 6/30/2016; Fee: \$100K</p> <p>Verification of an SRR approved Tank 12 Final Configuration report, Revision A, with DOE-SR and SRR comments incorporated and ready for submittal to SCDHEC. Revision A will be certified by a South Carolina professional engineer. Due Date: 9/30/2016; Fee: \$100K</p>
<p>SRR2016TANK -01.08</p>	<p>Perform D&R of Tank 26 Risers as needed to support BWR system installation, as verified of field installation by review of completed work package tasks and visual/photographic evidence of D&R completion. Due Date: 6/1/2016; Fee: \$600K</p> <p>Verification of SRR-approved Operations Acceptance Checklists for BWR modifications for Tank 26 prepared in accordance with defined deliverables and Manual SW6-V2-WM-AP-3029, <i>Operations Acceptance of Design Modifications for Liquid Waste</i>. Due Date: 9/30/2016; Fee: \$1,000K</p>



Performance Incentive Document

PBI Number:	SRR2016SWPFLIS		
Activity Name:	AMWD, SWPF Line Item Support		
WBS Number:	01.90.03.21.01		
Performance Period:	October 1, 2015 - September 30, 2016		
Allocated Fee:	\$1,250,000		
Revision Number:	0		
Senior Level Manager Name:	Pamela Marks, SWPF Federal Project Director (FPD)		
Senior Level Supervisor/Division Manager Name:	Shayne Farrell, SWPF Deputy FPD		
Performance Requirement:	Contract Sections - Contract Section C – Statement of Work, C.1.3.4 Salt Waste Processing Facility Interface and Coordination		
Contract Output:	SRR2016SWPFLIS-01 Contractor support to the timely execution of the SWPF Project throughout its design, construction, startup and radioactive operations is essential to the successful commissioning and operation of high capacity salt processing.		
GFS/I:	The Target Dates and Completion Dates for the following Milestones are based on availability of the funds described by Letter, Smith to Bair, DE-AC09-09SR22505: Savannah River Remediation LLC (SRR) Office of Environmental Management (EM) Revised Interim Fiscal Year (FY) 2016 Expected Funds, BD-15-0018, dated June 30, 2015. Further, the target dates and completion dates are based on SRS Site Infrastructure Services provided per SRR-approved schedules (e.g., steam, site access, etc.). Any change in the schedule for funds availability or SRS Site Services, including interruption caused by Continuing Resolution or other action, may result in renegotiation/revision to impacted milestones.		
Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2016SWPFLIS-01.01 Note: No fee shall be paid to the contractor for	9/15/2016	\$ 350K	Complete timely Review of SWPF System Operation Test (SOT) & Integrated System Operational Test (ISOT) procedures

changed work, including provisional, prior to definitization of the change order.			
SRR2016SWPFL IS-01.02 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	9/15/2016	\$ 50K	Complete Testing of titanium dioxide Glass Samples
SRR2016SWPFL IS-01.03 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	9/30/2016	\$ 300K	Achieve Task Ready for the East Transfer Line tie-in outage
SRR2016SWPFL IS-01.04 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	7/31/2016	\$ 50K	Complete vendor design scope of Lab Waste Handling Modifications

SRR2016SWPFL IS-01.05 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	9/15/2016	\$ 300K	Complete Installation of T49 Transfer Piping and supports across the Roadway to the edge of Tank 49
SRR2016SWPFL IS-01.06 Note: No fee shall be paid to the contractor for changed work, including provisional, prior to definitization of the change order.	9/15/2016	\$ 200K	Dismantle and Remove Steam piping at 511-S and Complete Fabrication of Two Jumpers. Modifications required at 511-S in support of the startup and long term operations of the SWPF.
Acceptance Criteria			
SRR2016SWPFL IS-01.01	Verification of SRR transmittals documenting System Operations Test/ Integrated System Operational Test (SOT/ISOT) Procedure Review Comments have been received by DOE for all SOTs and ISOTs submitted by 9/1/16		
SRR2016SWPFL IS-01.02	Verification of acceptable quality and completeness of SRR approved reports for Product Consistency Test Analysis and Liquid Analysis		
SRR2016SWPFL IS-01.03	Verification of field installation by review of completed work package tasks statused Ready or beyond for the outage scope of work, physical inspection or photographic evidence, if physical inspection not possible, and an SRR approved East Transfer Line Drain Plan		
SRR2016SWPFL IS-01.04	Verification of approved design entered in the DCR		

SRR2016SWPFL IS-01.05	Verification by visual/photographic evidence of installed transfer piping on supports
SRR2016SWPFL IS-01.06	Verification of removal of 511-S steam piping and fabrication of two jumpers by review of completed work package tasks, including verification of completed OAC (if required) in accordance with Procedure WM-AP-3029, and visual/photographic evidence of completion

Attachment C: Special Emphasis Areas



Cost Control

SEA	SEA1: Cost Control Clawback
Revision Number:	0
Senior Level Manager Name: Jim Folk, Acting AMWD	
Senior Level Supervisor/Division Manager Name: Jean Ridley, Director, WDPD	
Performance Requirement:	
<p>Contract Output: SRR2016SEA1-02</p> <p>Desired Outcome: Contractor’s execution cost for selected approved work scopes is within acceptable range of target cost determined at the beginning of the period and demonstrates cost effective work execution.</p> <p>Areas of Focus include: Contractor’s Estimate to Complete (ETC) at initiation of the evaluation period and Monthly Actual Cost Reports from DELTEK COBRA, the cost processor for the Contractor’s Certified Earned Value Management System (EVMS) .</p> <p>Cost Performance: DOE will evaluate the Contractor’s cost performance based upon Contractor’s actual incurred costs compared to the forecast costs for specific milestones to be completed during the evaluation period. DOE will rely on objective cost performance criteria to evaluate the Contractor’s performance, which includes:</p> <ol style="list-style-type: none"> a) Cost Control – Contractor maintains cost control including but not limited to actual costs incurred to complete selected milestones are equal to or less than the forecast cost, plus an appropriate risk contingency based on the scope and complexity of the work to be performed. b) Schedule Control – Contractor maintains a schedule that satisfies the performance requirement for the subject milestones, and is reflective of actual schedule performance, problem identification, and corrective action plans. c) Variances – Contractor is expected to promptly take corrective action on negative cost and schedule variances. Negative variances are not expected to build but instead to be avoided or mitigated effectively and with sound business practices. 	
<p>This Cost Control evaluation is implemented in parallel with the Program Management Award Fee evaluation. The Cost Control evaluation</p> <ul style="list-style-type: none"> • Is effectively a “claw back” determination based on cost performance • Will be applied to selected PBIs independently from the Milestone Completion validation and fee recommendation to the Fee Board for each selected PBI Milestone 	

Determination of Fee at Risk: Milestones representing a minimum of 15% of the Available Award Fee allocated or projected for the period of FY 2016 shall be designated as subject to the Cost Control Clawback evaluation.				
Total FY 2016 Fee Allocated /Forecast		\$25,600,000		
PEMP 10/1/15 – 9/30/16	Award Fee Allocation	\$24,600,000		
SDU 6 Activity Based Milestones	Forecast to Complete in FY 2016	\$1,000,000		
Minimum Fee at Risk (15% of Total Fee Pool)		\$3,840,000		
PEMP 10/1/15 – 9/30/16	Select PBIs totaling no less than:	\$3,100,000		
SDU 6 Activity Based Milestones	Forecast to Complete in FY 2016	\$1,000,000		
NOTE: SDU 6 Activity Based Milestones are subject to a Cost Control Incentive/Clawback per the terms of the SDU 6 PEMP Addendum.				
For the Evaluation Period 10/1/2015 – 9/30/2016, the following PBI Milestone is designated for application of the Cost Control Special Emphasis Evaluation:				
Number	Completion Criteria	Evaluation Method	Award Price (AP) or ETC	Maximum Fee At Risk
SRR2016TANK-01.04	Optimize physical completion of Tank 12 closure by completing first of a kind grouting of Type I High Level Waste Tank 12 in HTF in accordance with approved Closure Module.	Supply Chain Management Effectiveness (Method 2)	AP = \$117 per cubic yard of grout (Estimated) (See Note 4) TEC, CUM = \$ 21,128,184	\$ 1,500K
SRR2016TANK-01.08	Complete Tank 26 Riser D&R and BWR system installation	Execution Cost Control (Method 1)	ETC, FY16 = \$ 4,860,225 TEC, CUM = \$ 15,739,605	\$1,600K
If actual costs exceed AP or ETC, plus an appropriate contingency based on the scope and				

complexity of the work to be performed, earned fee for the subject milestone will be forfeited based on the formulas below:

- Method 1 - Delivery of operations activity work scope for selected PBIs by indexing final fee awarded for the PBI to execution cost (AC – Actual Cost) compared to the fiscal year ETC plus a contingency of 10%, based on risks associated with “as found” field conditions, integration with ongoing high hazard operations, tie-ins to high hazard facilities, etc., for the activity using the formula:

$$\text{CLAWBACK \%} = [(AC - 1.1*ETC) / ETC] * 1.1111*100$$

- Method 2 - Supply Chain Management for selected PBIs by indexing final fee awarded for the PBI to procurement cost (FC - Paid Purchase Order Report) compared to the Award Price (AP - Purchase Order Awarded Price), including all authorized pre-negotiated adjustments (e.g., option pricing, economic adjustments, etc.) plus a contingency of 2.5%, based on risks of market fluctuations of availability and cost of raw materials, opportunity for acceleration of delivery to benefit the program, etc., and excluding cost of shipping using the formula:

$$\text{CLAWBACK \%} = [(Final Cost - 1.025*AP) / AP] * 1.0256*100$$

Per the CLAWBACK formulas, if the CLAWBACK % is negative, then there will be no reduction or increase to the available fee for the related PBI milestone.

Notes:

1. Operating activity FY ETC based on best available Earned Value work plans and the latest (i.e., July 2015) cost processor (DELTEK COBRA) cost forecasts for pre-identified work packages. Contingency (10%) based on risks associated with “as found” field conditions, integration with ongoing high hazard operations, tie-ins to high hazard facilities, etc. Operating activity Total Estimated Cost (TEC) CUM are SRR costs (Direct and Burdened) for the subject Operations Activities. Costs are the sum of actual costs since contract start (7/1/2009) through July 26, 2015 (July Month End) plus the latest (i.e., July 2015) forecast costs through the end of the project as reported in the cost processor for the SRR certified EVMS. Note that the ETC and TEC costs provided are preliminary since the scope, schedule and cost have not yet been definitized.
2. Determination of Award Price reasonableness is made by SRR in accordance with the DOE-SR approved procurement systems. Contingency (2.5%) based on risks of market fluctuations of availability and cost of raw materials, opportunity for acceleration of delivery to benefit the program, etc.
3. Active Procurements may be renegotiated, with the concurrence of the Contracting Officer Representative, if there is demonstrated benefit to the Liquid Waste Program. In such cases, the revised Award Price will be applied in the Performance Measurement for Cost Control.
4. The estimated Award Price (AP) provided is based on the recently (i.e., early 2015) awarded price for Tank 16 grout. The final AP will be determined upon completion of an anticipated Change Notice when the slag type to be used in the grout formula is selected. New slag types were tested at a laboratory. The laboratory results will be documented in a report to be used as reference in a documented evaluation of grout formula acceptability. Once the new grout formula is approved, a new delivered price will be negotiated. The AP

will be used to monitor cost performance.

Acronym List

AC	Actual Cost
AMWD	Assistant Manager for Waste Disposition
AP	Award Price
ARP	Actinide Removal Process
BWR	Bulk Waste Removal
BWRE	Bulk Waste Removal Effort
CAP	Capital
CHA	Consolidated Hazard Analysis
CO	DOE Contracting Officer
CPC	Chemical Processing Cell
D&R	Dismantle and Remove
DCR	Document Control Register
DEAR	Department of Energy Acquisition Regulation
DOE	U.S. Department of Energy
DSA	Documented Safety Analysis
DWPF	Defense Waste Processing Facility
EAL	Emergency Action Level
EM	Office of Environmental Management
EMM	Electro Mechanical Manipulator
ETC	Estimate to Complete
EVMS	Earned Value Management System
FDO	Fee Determining Official
FFA	Federal Facility Agreement
FPD	Federal Project Director
FTF	F-Area Tank Farm
FY	Fiscal Year
GFS/I	Government Furnished Services and Items
GWSB	Glass Waste Storage Building
HTF	H-Area Tank Farm
ICP-ES	Inductively-Coupled Plasma Emission Spectrometer
IPT	Integrated Project Team
ISOT	Integrated System Operational Test
LCSs	Local Control Stations
M&O	Maintenance and Operations
MCU	Modular Caustic Side Solvent Extraction Unit
NRC	Nuclear Regulatory Commission
OAC	Operations Acceptance Checklist
PBI	Performance Based Incentive

PCCS	Product Composition Control System
PEMP	Performance Evaluation and Measurement Plan
PISA	Potential Inadequacies in Safety Analysis
RAI	Request for Additional Information
SCDHEC	South Carolina Department of Health and Environmental Control
SCT	Shielded Canister Transporter
SDF	Saltstone Disposal Facility
SDU	Saltstone Disposal Unit
SEA	Special Emphasis Area
SMP	Submersible Mixing Pump
SOT	System Operations Test
SR	Savannah River
SRIP	Savannah River Implementing Procedure
SRM	Savannah River Manual
SRNL	Savannah River National Laboratory
SRR	Savannah River Remediation LLC
SRS	Savannah River Site
SS/SC	Safety Significant/Safety Class
STAR	Site Tracking, Analysis, & Reporting
SWPF	Salt Waste Processing Facility
TEC	Total Estimated Cost
WBS	Work Breakdown Structure
WDPD	Waste Disposition Program Director