

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   1
2. AMENDMENT/MODIFICATION NO. 174	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 12EM000988	5. PROJECT NO. (if applicable)
6. ISSUED BY Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901	7. ADMINISTERED BY (if other than Item 6) Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SAVANNAH RIVER REMEDIATION LLC Attn: Katy Burnau Savannah River Site Building 766-H Aiken SC 29808		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 808376193 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-09SR22505	
		10B. DATED (SEE ITEM 13) 12/08/2008	

**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)**

See Schedule

**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: Section H.28 Performance Evaluation and Measurement Plan
	D. OTHER (Specify type of modification and authority)

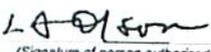
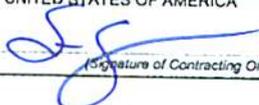
E. IMPORTANT: Contractor  is not,  is required to sign this document and return 1 copies to the issuing office.

**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 DELETE the Performance Evaluation Measurement Plan (PEMP) incorporated by modification 145 and ADD the attached PEMP Revision 1 for the evaluation period of October 1, 2011 through September 30, 2012.

B. All other terms and conditions remain unchanged.

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

15A. NAME AND TITLE OF SIGNER (Type or print) L. David Olson President and Project Manager		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Scott D. Langston	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 1/31/2012	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 1/31/12



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

**PERFORMANCE EVALUATION AND  
MEASUREMENT PLAN**

**Revision 1**

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

**Evaluation period:  
October 1, 2011 through September 30, 2012**

Approval Page

Approval: 

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

1/30/2012

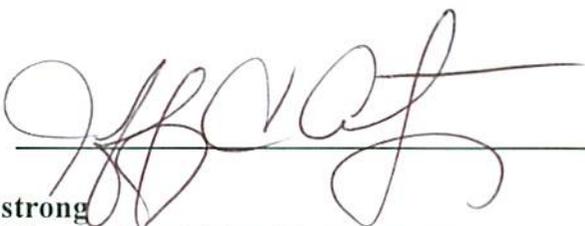
Date

Approval: 

Scott Langston  
Director  
Contracts Management Division  
DOE - Savannah River Operations Office

1/30/2012

Date

Approval: 

Craig Armstrong  
Director, Office of Acquisition Management  
DOE - Savannah River Operations Office

1-30-2012

Date

### Revision Summary Page

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision
0		All	Initial issue
1	1/30/2012	PBIs: SRR2012TREAT SRR2012PREP SRR2012TANK	Revisions effected to: 1) address impacts on Contract Outputs resulting from workscope added by Contract Modification 153 (ELAWD), 2) revise contractor's delivery schedule to support DOE's regulatory interactions in development of the Saltstone DAS, 3) clarify completion and acceptance criteria, and 4) effect minor editorial corrections.

## 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.

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.
- 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 (BCWS) 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 Project (AMWDP) 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 (SMEs) as well as matrix support personnel who possess specific competencies and the skill and expertise required for successful evaluation of SRR performance.

The Assistant Manager for Integration and Planning (AMIP) 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 (reference 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 (LWSP)*. 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, 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(LWSP)*
- Contract Section C, Statement of Work (SOW)
- 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. 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 workscope within its control.

#### **4.4. Reporting**

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

#### **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 walkdowns of physical work in the field. The government 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 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 workscope. 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 Contracting Officer 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 SR Manual (SRM) 226.1.1, *Integrated Performance Assurance Manual*. The contractor oversight system is founded on an integrated safety management system (ISMS) 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**

<b>Contract Term</b>	<b>Evaluation Period</b>	<b>Start</b>	<b>Finish</b>	<b>Evaluation Period Fee Allocation</b>	<b>5% Provisional Fee per Month *</b>
<b>Basic</b>	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	\$31,370,000.00	\$1,568,500.00
	Remaining Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
<b>Total, Basic</b>				<b>\$ 188,020,888</b>	
<b>Option 1</b>	Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
	<b>Total, Option 1</b>				<b>\$ 55,371,205</b>
<b>Option 2</b>	Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
	<b>Total, Option 2</b>				<b>\$ 9,570,000</b>
<b>Total, Basic, Option 1 and Option 2</b>				<b>\$ 252,962,093</b>	

\* 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.

**Attachment B: Performance Incentive Documents**



Performance Incentive Document

PBI Number:	SRR2012MGMT
Activity Name:	Program Management
WBS Number:	01.90.04
Performance Period:	October 1, 2011 – September 30, 2012
Allocated Fee:	\$3,150,000
Revision Number:	0
Senior level manager name:	Terry Spears, AMWDP
Senior level supervisor/division manager name:	Jim Folk, Deputy AMWDP
<b>Performance Requirement:</b>	
<p>Contract Sections - All</p> <p>Provide quality-driven program management as outlined in the contract, optimize Liquid Waste system performance, and perform approved scope at or below cost.</p>	
<p><b>Contract Output: SRR2012MGMT-01</b></p> <p>The Contractor shall provide safe, timely, and cost-effective management and execution of the Liquid Waste program.</p> <p>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, Scope of Work 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, and responsiveness to DOE customer needs. Customer service is an implicit performance expectation.</p> <p>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's management performance relative to close-out of ARRA-funded worksopes in keeping with Departmental ARRA performance objectives will be included in this evaluation.</p> <p>The Contractor will work collaboratively with the SR M&amp;O contractor and other site contractors as specified in Section J, Appendix N of the contract.</p>	

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2012MGMT-01.01	9/30/2012	\$ 3,150K	Performance will be evaluated annually. Performance areas evaluated cover all aspects of Contract Output described above.

Acceptance Criteria	
SRR2012MGMT-01.01	Contractor will be subjectively measured against all aspects of Contract Output described above.



Performance Incentive Document

PBI Number:	SRR2012TREAT		
Activity Name:	AMWDP, Waste Treatment: DWPF, Saltstone		
WBS Number:	01.90.03, 01.90.07, 01.90.22		
Performance Period:	October 1, 2011 – September 30, 2012		
Allocated Fee:	\$10,210,000		
Revision Number:	0		
Senior level manager name:	Terry Spears, AMWDP		
Senior level supervisor/division manager name:	Jim Folk, Deputy AMWDP		
<b>Performance Requirement:</b>			
<p>Contract Section C – Statement of Work</p> <p>Contract Section H.50 (b) 3.a. Produce 1685 canisters at DWPF by the end of Basic Term</p> <p>Contract Section H.50 (b) 4 Improve DWPF canister waste loading</p> <p>    a. Achieve and sustain 36 weight percent beginning with Sludge Batch 6</p> <p>Contract Section H.50 (b) 8 Decouple and protect SWPF from being shut down by:</p> <p>    a. DWPF strip effluent receipt capacity</p>			
<b>Contract Output: SRR2012TREAT-01</b>			
<p>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.</p>			
<b>Number</b>	<b>Exact date, periodicity, frequency, quantity</b>	<b>Fee</b>	<b>Completion Criteria</b>
SRR2012TREAT-01.01	200 canisters	\$ 3,885K	\$3,885K to be paid upon completion of 200 canisters produced in FY2012. Thereafter, \$15,000.00 for each canister produced up to 75 additional canisters. (Maximum available fee is \$5,010K.)
	75 canisters	\$ 1,125K	
SRR2012TREAT	9/15/2012	\$ 150K	Melter 4 refractory installation complete.

-01.02			
SRR2012TREAT-01.03	9/15/2012	\$ 200K	Delivery of Melter Bubbler sets 5 & 6 incorporating alternative thermocouple design.
<b><u>Contract Output: SRR2012TREAT-02</u></b>			
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. Increasing the capacity, reliability, and attainment of the SPF is essential to supporting future operations of the SWPF. The construction and commissioning of Saltstone Disposal Units (SDUs) supports the continued operation of the Saltstone Production Facility.			
<b>Number</b>	<b>Exact date, periodicity, frequency, quantity</b>	<b>Fee</b>	<b>Completion Criteria</b>
SRR2012TREAT-02.01	700K gal  500K gal	\$ 700K  \$ 500K	\$700K to be paid upon completion of 700K gallons of decontaminated salt solution received from Tank 50 and processed into grout. Thereafter, \$1.00 for each gallon processed up to 500K additional gallons. (Maximum available fee is \$1,200K.)
SRR2012TREAT-02.02-01, -02	6/30/2012  9/15/2012	\$ 300K  \$ 300K	Delivery of SDU 2 CD-4 package, deduct \$100K for each additional 30-day schedule delay.  SDU 2 hardware ready to receive grout from SPF.
SRR2012TREAT-02.03-01, -02	3/31/2012  9/15/2012	\$ 200K  \$ 500K	SDU 6 Tank Reconfirmation of CD-1 Alternative Selection and Cost Range submitted for DOE SR review.  SDU 6 Award Design/build or Design/Bid/Build contract for Saltstone permanent disposal capacity no less than 30 Mgal.
SRR2012TREAT-02.04-01, -02, -03, & -04	9/15/2012	\$ 500K \$ 500K \$ 500K \$ 500K	\$500K to be awarded upon successful leak check of each of SDU Cells 3A, 3B, 5A & 5B and completion of all subcontract work. (Maximum available fee \$2,000K.)
SRR2012TREAT-02.05	6/30/2012	\$ 100K	Chemical Hazards Control set defined for Salt Solution Receipt Tanks (SSRTs).

SRR2012TREAT-02.06-01, -02	3/15/2012	\$ 65K	Develop and issue Liquid Waste (LW) Unreviewed Waste Management Question (UWMQ) procedure.
	5/9/2012	\$ 60K	Develop and submit to DOE a UWMQE based on the 2009 Performance Assessment for the Saltstone Disposal Facility (SRR-CWDA-2009-00017, Rev 0) and the as-built conditions of the Saltstone Disposal Unit 2.
SRR2012TREAT-02.07	9/15/2012	\$ 125K	Issue "Savannah River Site Liquid Waste Facilities Performance Assessment Maintenance Program FY2012 Implementation Plan" and complete saltstone material testing to measure oxidation front characteristics.
<b>Acceptance Criteria</b>			
SRR2012TREAT-01.01	Canisters must be filled to the 100 inch level, averaging 36 per cent waste loading beginning with Sludge Batch 6, and have successfully passed their leak check test as documented through the Daily Shift Reports.		
SRR2012TREAT-01.02	Verification that Melter 4 refractory installation by document review and field observation.		
SRR2012TREAT-01.03	Verification of SRS receipt inspection and acceptance.		
SRR2012TREAT-02.01	Verification of total gallons processed through review of facility log entries and field observations.		
SRR2012TREAT-02.02-01, -02	-01 Determination by Federal Project Director that CD-4 requirements have been met in accordance with DOE G 413.3.16. Verification by review of associated documentation and field walkdown of satisfactory completion of SDU 2 specific readiness review		
	-02 Completion of tie-ins and start up testing		
SRR2012TREAT-02.03	-01 Acceptance of CD-1 Reconfirmation Package by FPD.		
	-02 Verification of Award notification to contractor.		
SRR2012TREAT-02.04	Verification by document review and field walkdown of subcontract work.		
SRR2012TREAT-02.05	DOE concurrence on Chemical Hazards control set.		
SRR2011TREAT-			

02.06-01, -02	<p>-01 Verification that the Unreviewed Waste Management Question (UWMQ) procedure will ensure compliance with the RWMB (Q-RWM-Z-00001, Rev 0).</p> <p>-02 Completion of Saltstone Disposal Facility UWMQE for SDU 2 in accordance with SRR UWMQ procedure. DOE shall verify acceptable quality, completeness and technical justification.</p>
SRR2011TREAT-02.07	Completion of: (a) SRR-approved "Savannah River Site Liquid Waste Facilities Performance Assessment Maintenance Program FY2012 Implementation Plan", and (b) SRR-approved test report presenting oxidation front characteristics for the first field-cured simulated saltstone sample. DOE shall verify acceptable quality, completeness and technical justification.



Performance Incentive Document

PBI Number:	SRR2012PREP		
Activity Name:	AMWDP, 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, 2011 – September 30, 2012		
Allocated Fee:	\$8,260,000		
Revision Number:	0		
Senior level manager name:	Terry Spears, AMWDP		
Senior level supervisor/division manager name:	Jim Folk, Deputy AMWDP		
<b>Performance Requirement:</b>			
Contract Section C – Statement of Work Contract Section H.50 (b) 6 Improve ARP/MCU [Actinide Removal Process/Modular Caustic Side Solvent Extraction Process] operations			
<b><u>Contract Output : SRR2012PREP-01</u></b>			
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.			
<b>Number</b>	<b>Exact date, periodicity, frequency, quantity</b>	<b>Fee</b>	<b>Completion Criteria</b>
SRR2012PREP-01.01-01, -02, -03	500K gal	\$ 2,000K	\$2,000K upon processing 500K gallons from Tank 49.
	150K gal	\$ 450K	\$3.00/gallon for each gallon processed between 500K gal up to 650K gal.
	8/31/2012	\$ 750K	Complete Group 1 operational and

	9/30/2012	\$ 150K	<p>maintenance reliability improvements</p> <p>Complete Group 2 operational and maintenance reliability improvements (See Note 1)</p> <p>(Maximum available fee is \$3,350K)</p>
SRR2012PREP-01.02-01, -02	7/31/2012	\$ 800K	Sludge Batch 8 compiled and characterization complete.
	9/15/2012	\$ 850K	Sludge Batch 8 washing complete.
SRR2012PREP-01.03	5/31/2012	\$ 1,000K	Salt Batch 5 qualified and ready to be transferred to Tank 49.
SRR2012PREP-01.04-01, -02	9/15/2012	\$ 200K	\$200K each upon completion of Final Design, Title 2 of Blend Tanks (Tanks 21 & 24) (Maximum available fee is \$400K)
		\$ 200K	
SRR2012PREP-01.05	9/15/2012	\$ 860K	FTF to 3H Control Room Consolidation Final Design Complete. Fiber hub between F and H Area installed.
SRR2012PREP-01.06	9/15/2012	\$ 100K	Waste Transfer Engineering Improvements Complete.
SRR2012PREP-01.07-01, -02	9/15/2012	\$ 100K	WCS Upgrade Ph II development and testing complete.
	9/15/2012	\$ 100K	Saltstone Curie Calculator development and testing complete.
SRR2012PREP-01.08	9/15/2012	\$ 250K	Revise Saltstone WAC to implement 2009 Saltstone Performance Assessment.
SRR2012PREP-01.09	6/30/2012	\$ 200K	Develop revised methodologies to determine the Saltstone Disposal Facility inventory and apply these methodologies to confirm Vaults 1 and 4 inventories supports extended ARP/MCU operation (up to 0.6M curies for interim salt processing).
<p><b>Contract Output: SRR2011PREP-02</b></p> <p>Treatment and disposition of the waste currently in Tank 48 will permit this new-style tank to be re-purposed to support execution of the Liquid Waste mission. Treatment of the waste in Tank 48 is also a commitment in the DNFSB 2001-1 Implementation Plan.</p>			

Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2012PREP-02.01-01, -02	9/15/2012	\$ 50K  \$ 200K	Tank 48 Execution Plan for Alternate Technology Maturation with cost and schedule for R & D submitted to DOE.  Go/No-Go recommendation on chemical destruction based upon results of simulant testing submitted to DOE and Tank 48 sample for Rad Waste testing delivered to SRNL shielded cells

Note 1: If tank space becomes available in Tank 50 to support additional salt processing (beyond 650K gal), operational and maintenance reliability improvements identified in Group 2 may be suspended with DOE COR concurrence in lieu of additional processing at \$3.00/gallon per gallon processed, up to the maximum available fee of \$3,350K.

Acceptance Criteria	
SRR2012PREP-01.01	-01, Verification of total gallons processed through review of ARP/MCU operations morning report.  -02 Verification of Construction Turnover to Operations (CTO) and Operational Acceptance Checklist (OAC) for (Group 1): <ul style="list-style-type: none"> <li>• Rebuild centrifugal contactors (Strip #1&amp; #6, Scrub #1&amp;#2).</li> <li>• Replacement of the Decontaminated Salt Solution Decanter Aqueous Pumps A &amp; B</li> <li>• Replacement of the Decontaminated Salt Solution Hold Tank Pumps.</li> <li>• Replacement of the Process Cell Area Sump Pump</li> <li>• Replacement of the Process Cell DSS Coalescer Pumps PRV</li> <li>• Rebuild of the MCU PVV fan</li> <li>• Replacement of MCU Main Electrical Supply Breaker</li> <li>• Replacement of the Decontaminated Salt Solution prefilter assembly.</li> <li>• Replace the DSS Coalescer</li> <li>• Replace Tank 49 Purge Fan</li> <li>• Rebuild/Replace 96H PVV Fan</li> <li>• Modify MCU Sampler Box</li> <li>• Replace MCU Valve 1908</li> <li>• Replace SE Coalescer Pumps PRV.</li> </ul> -03 Verification of Construction Turnover to Operations (CTO) and Operational Acceptance Checklist (OAC) for (Group 2): <ul style="list-style-type: none"> <li>• Replace the Strip Effluent Hold Tank Pumps</li> </ul>

	<ul style="list-style-type: none"> <li>• Replace the Solvent Hold Tank Pumps</li> <li>• Replace Tank 50 Reheater</li> <li>• Replace MCU IA Accumulator</li> <li>• Reduce Water Intrusion to MCU Process Cell to Reduce Volume to Saltstone.</li> </ul>
SRR2012PREP-01.02	<p>-01 Verification that Sludge Batch 8 transfers into Tank 51 are complete through review of field log entries, and qualification sample initial characterization is complete through review of issued characterization report.</p> <p>-02 Verification that Sludge Batch 8 washing is complete through washing and sampling documentation review.</p>
SRR2012PREP-01.03	Verification that Salt Batch 5 meets Waste Acceptance Criteria for feed to ARP/MCU through review of documented sample analyses and is ready for transfer into Tank 49.
SRR2012PREP-01.04	Verification of completion of SRR approved design in conformance with SRS manuals and procedures.
SRR2012PREP-01.05	Verification by review of associated documentation and field walkdown of satisfactory completion.
SRR2012PREP-01.06	Verification of completion of test report for transfer database and automated siphon calculations to support transfer evaluations by document review.
SRR2012PREP-01.07	<p>Verification by document review of completion of:</p> <p>-01 Test report for automated entry of sample and tank level/temperature into WCS; WAC/WCP evaluations; and generation of electronic ETAF/WTTS.</p> <p>-02 Test report for Saltstone Curie Calculator.</p>
SRR2012PREP-01.08	Verification of issuance of revised Saltstone WAC by document review.
SRR2012PREP-01.09	Verification of issuance of the following SRR-approved documents consistent with DOE M 435.1-1, IV.I.(2): (1) document capturing the technical bases for the methodologies employed to determine inventories disposed of in the SDF disposal cells; and (2) document determining the revised inventories for Vault 1 and Vault 4 applying the methodologies described in the proceeding deliverable.
SRR2012PREP-02.01	-01 Completion of Tank 48 execution plan. DOE shall verify completeness and technical accuracy.

	<p>-02 Verification of Tank 48 alternate technology simulant testing completed and final report approved and issued to DOE. Testing and report must be in compliance with Manual 1Q, Procedure 2-3, "Control of Research and Development Activities".</p>
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Performance Incentive Document

PBI Number:	SRR2012TANK		
Activity Name:	AMWDP, Waste Removal & Tank Closure		
WBS Number:	01.90.01		
Performance Period:	October 1, 2011 – September 30, 2012		
Allocated Fee:	\$ 9,750,000		
Revision Number:	0		
Senior level manager name:	Terry Spears, AMWDP		
Senior level supervisor/division manager name:	Jim Folk, Deputy AMWDP		
<b>Performance Requirement:</b>			
Contract Section C – Statement of Work Contract Section H.50 (b) 1.a. The Contractor will operationally close 9 non-compliant tanks (independent of SWPF processing)			
<b>Contract Output : SRR2012TANK-01</b>			
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 FFA commitments and demonstrate progress toward risk reduction and achieving tank closure commitments.			
Number	Exact date, periodicity, frequency, quantity	Fee	Completion Criteria
SRR2012TANK-01.01	200K gal 2,000-Kgal 2 Full Tanks	\$ 3,000K \$ 4,000K \$ 6,000K	\$3,000K to be paid upon pouring a combined total of 200K gal of grout into Tanks 18 & 19 and removal from DSA. An additional \$1,000K paid for pouring an additional combined total of 1,800K gal. A maximum amount of \$6,000K paid if both tanks are fully grouted. (see Note 2)

SRR2012TANK-01.02	5/31/2012	\$ 500K	Complete Tank 16 annulus process sampling and analysis including recommendation to DOE.
SRR2012TANK-01.03	9/15/2012	\$ 750K \$ 500K	Complete Tank 12 BOA cleaning; an additional \$500K to also complete an annulus inspection report and recommendation to DOE.
SRR2012TANK-01.04	9/15/2012	\$ 500K	Complete design of Bulk Waste Removal equipment for Tank 10.
<b><u>Contract Output : SRR2011TANK-02</u></b>			
Completion of large, technical, one-of a kind documents to support waste tank operational closure decisions by DOE and external agencies.			
<b>Number</b>	<b>Exact date, periodicity, frequency, quantity</b>	<b>Fee</b>	<b>Completion Criteria</b>
SRR2012TANK-02.01	9/30/2012	\$ 250K \$ 750K	Draft H Tank Farm (HTF) 3116 Basis Document Rev A and HTF Performance Assessment Rev 1A submitted to DOE.
SRR2012TANK-02.02	9/15/2012	\$ 500K	Tanks 5 & 6 final sample plans, and Final Characterization Reports (Rev 0) submitted to DOE.

Note 2: If Tier 1 and 2 approvals are not provided by 5/1/2012, SRR2012TANK-01.01 is revised as follows: \$2.5M in fee to be paid for successful completion of Readiness Assessment vice punchlist A items related to GFSI approvals. (Remaining available fee will be distributed to other approved PBI workscope.)

<b>Acceptance Criteria</b>	
SRR2012TANK - 01.01	Verification of total gallons of grout poured through review of facility log entries and field observations. To earn maximum amount, includes grouting of risers, in tank equipment injection of grout for pump cavities and grouting of discharge pipes for full completion. Does not include above ground encasement of risers and equipment.
SRR2012TANK - 01.02	Delivery of samples to SRNL, documentation of receipt in SRNL, SRR acceptance of SRNL analysis report, and SRR's submittal of annulus space waste removal recommendation to DOE. (Note: Additional samples will be required for final closure.) DOE shall verify the analysis report to be of

	adequate quality and recommendation to be technically justified.
SRR2012TANK - 01.03	Completion of planned BOA activities and submission of associated tank history report (without final inventory values) of adequate quality and completeness. Submission of approved annulus inspection report and technically justified recommendation to the DOE.
SRR2012TANK- 01.04	Verification of submission of SRR approved and accepted design documents of adequate quality and completeness.
SRR2012TANK - 02.01	Draft HTF 3116 Basis Document Rev A and HTF Performance Assessment Rev 1A submitted to the DOE. DOE shall verify acceptable quality, completeness and technical justification.
SRR2012TANK - 02.02	Tanks 5 and 6 final sampling plans and the Final Waste Characterization Report submitted to the DOE. DOE shall verify acceptable quality, completeness and technical justification.