

NOT SPECIFIED /OTHER

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 1
2 AMENDMENT/MODIFICATION NO. 031	3 EFFECTIVE DATE 04/15/2010	4 REQUISITION/PURCHASE REQ. NO. 10EM001939	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: GEORGE DUDICH 720 PARK BLVD. PO BOX 73 AIKEN SC 298013852		(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)

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.

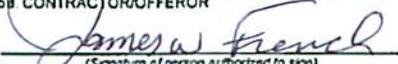
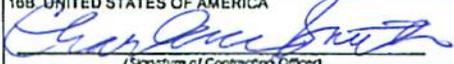
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) 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: 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)

Subj to Retent: NO
A. The purpose of this modification is to incorporate the attached Performance Evaluation and Measurement Plan.
B. All other terms and conditions of the contract 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) James W. French, President i Project Mgr.	15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 4/14/10	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Charlene Smith	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 4/14/10
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Previous edition unusable

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243



U.S. Department of Energy
Savannah River Site

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN**

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

Performance period:
April 15, 2010 through September 30, 2010

Approval Page

Approval:  _____

Terrel J. Spears
Contracting Officer's Representative
Assistant Manager for Waste Disposition Project
DOE - Savannah River Operations Office

4-8-10

Date

Approval:  _____

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

4/8/10

Date

Approval:  _____

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

4/8/2010

Date

Revision Summary Page

Rev. #	Rev. Date	Affected Sections / Pages	Description of Revision
0	11/13/09	All	Initial issue
1	3/26/2010	All	Align to issuance date

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 both the base (PBS SR-0014C) and American Recovery and Reinvestment Act (ARRA) (PBS SR-0014C.R.1.1 and PBS SR-0014C.R.1.PEN) funding sources 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*, H.50 *Performance Requirements*, Modification 007, and Modification 015.

Incentive strategy is based on:

- Removing sludge waste from liquid radioactive waste tanks to support preparation of sludge batches and subsequent processing at the Defense Waste Processing Facility (DWPF).
- Operating the salt processing facilities to remove salt cake and supernatant from liquid radioactive waste tanks.
- Cleaning, characterization and closure documentation leading to 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. Additionally, installation of bubblers, recycle water reduction, and system improvements at DWPF are key items that set the stage for future success.

3. Integrated Project Team & Fee Board

An Integrated Project Team (IPT) will be created and led by the Assistant Manager for Waste Disposition Project (AMWDP) according to requirements of DOE O 413.3A, *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 critical activities and their 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
- Contract Modification 007
- Contract Modification 015

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.

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.

4.5. Performance Assessment and Fee Determination

Performance assessment includes regular evaluation during the performance period, verification of completion documentation, and, in some cases, field validation of completed work. Fee is considered provisional throughout the performance period until it is determined earned by DOE. The Fee Determining Official (FDO) determines the total fee awarded to the contractor. 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)*.

The amount of fee awarded for an incentive is based on completing expected performance as scheduled and providing documentation per defined Completion Criteria and evaluation per Acceptance Criteria. Expected performance completed after the scheduled completion date 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.

Per contract section H.28 (c), 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. The invoice will include the performance incentive document validation/assessment requests submitted for the evaluation period. Those performance incentives noted as activities funded by ARRA will be costed to ARRA funding.

5. Federal Oversight of Contractor Performance

Procedures for assessing 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*. 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.

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In accordance with DOE O 226.1, 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.

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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
	Remaining Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
	Total, Basic				\$ 188,020,888
Option 1	Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
	Total, Option 1				\$ 55,371,205
Option 2	Evaluation Periods, Fee Allocation and Provisional Fee to be determined later				
	Total, Option 2				\$ 9,570,000
Total, Basic, Option 1 and Option 2				\$ 252,962,093	

* 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.

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Attachment B: Performance Incentive Documents

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Performance Incentive Document

PBI Number: SRR2010MGMT
Activity Name: Program Management
WBS Number: 01.90.04
Performance Period: April 15, 2010 – September 30, 2010
Allocated Fee: \$4,171,018.00
Revision Number: 0

Senior level manager name:
Terry Spears, AMWDP
Senior level supervisor/division manager name:
Jim Folk, Deputy AMWDP

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: SRR2010MGMT-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 safety and successful execution of Contract Section C, Scope of Work. 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.

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 SR M&O contractor and other site contractors as specified in Section J, Appendix N of the contract.

This Contract Output will receive an adjectival grade and numerical score at the end of the performance period.

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Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010MGMT-01.01	6/30/2010	\$2M	Performance will be evaluated quarterly. Performance areas evaluated cover all aspects of successful contract execution, with special emphasis on safety and successful execution of Contract Section C, Scope of Work. The contractor's performance will be evaluated 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.
	9/30/2010	\$2,171,018	

Acceptance Criteria

SRR2010MGMT-01.01 Contractor will be subjectively measured against contract requirements.

CD



Performance Incentive Document

PBI Number: SRR2010TRMT
Activity Name: AMWDP, Sludge Processing
WBS Number: 01.90.02.01
Performance Period: April 15, 2010 – September 30, 2010
Allocated Fee: \$11,000,000
Revision Number: 0

Senior level manager name:
Terry Spears, AMWDP

Senior level supervisor/division manager name:
Jim Folk, Deputy AMWDP

Performance Requirement:

Contract Section C – Statement of Work
Contract Section H.50 (b) 4.a. Produce 1945 canisters at DWPF by the end of Basic Term

Contract Output: SRR2010TRMT-01

- a. Installation of 4 melter bubblers in melter #2 to achieve higher throughput rate
- b. Preparation and readiness to feed Sludge Batch 6 from Tank 40
- c. Produce and leak test 246 high level waste canisters

Description/Background/Justification:

To achieve 1945 canisters by June 30, 2015, SRR committed to making several improvements in sludge preparation and DWPF operations to increase the throughput rate. These improvements include the installation of melter bubblers, use of dry frit in lieu of slurried frit, use of an alternate reductant, and direct strip effluent feed to the slurry mix evaporator. The melter bubblers will be fabricated and installed in FY 10. The other improvements will achieve various stages in design and fabrication with implementation into the facility scheduled in FY 11. Canister production continues at the current rate until the bubblers are installed. The production rate through FY 10 is consistent with Revision 15 of the Liquid Waste System Plan. Sludge Batch 6 must be ready to ensure continued operations of DWPF and support tank closure schedules.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010TRMT-01.01	9/30/10	\$3M	Installation of 4 melter bubblers in melter #2. (ARRA Funded)

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SRR2010TRMT- 01.02	9/30/2010	\$2M	Sludge Batch 6 ready to feed DWPF
SRR2010TRMT- 01.03	200 cum canisters	\$3M	
	246 cum canisters	\$3M	Partial prorated payment will be made for less than 246 cumulative canisters (i.e., fee will be prorated at \$65,217.39 per can for cumulative canister production between 200 and 246.)

Acceptance Criteria

SRR2010TRMT- 01.01	DOE-SR review and concurrence with documentation and visual observation that demonstrates physical installation of bubblers (excludes connection of services, testing and operation) DSA revisions must be approved by DOE in accordance with Section J, Appendix L of the Contract.
SRR2010TRMT- 01.02	Sludge Batch 6 must be transferred into Tank 40 and be ready to start feeding to DWPF. Sludge Batch 6 must meet Waste Acceptance Criteria of DWPF as documented through sample analysis.
SRR2010TRMT- 01.03	Canisters must be filled to the 100 inch level and have successfully passed their leak check test as documented through the Digital Control System Process Book and Daily Shift Reports.

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Performance Incentive Document

PBI Number: SRR2010SALT
 Activity Name: AMWDP, Salt Waste Processing
 WBS Number: 01.90.01
 Performance Period: April 15, 2010 – September 30, 2010
 Allocated Fee: \$8,000,000
 Revision Number: 0

Senior level manager name:
 Terry Spears, AMWDP

Senior level supervisor/division manager name:
 Jim Folk, Deputy AMWDP

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
 a. Achieve 4 gallons per minute throughput rate
 b. Achieve average Cs-137 Decontamination Factor (DF) of 200

Contract Output : SRR2010SALT-01

Description/Background/Justification:

- a. Improve ARP/MCU operations: Achieve and sustain 4 gallons per minute throughput rate (40,000 gallons/wk) at an average Cs-137 DF of 200.
- b. Preliminary design for Tank 48 Return to Service is a key milestone for this project.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010SALT-01.01		\$3.1M	\$1.25 M to be paid upon 500,000 cum gallons from Tank 49 processed by ARP/MCU at an average Cs-137 DF of 200. Thereafter, \$2.50/gallon for every gallon from Tank 49 processed by ARP/MCU at an average Cs-137 DF of 200. (Maximum available fee is \$3.1 M).
SRR2010SALT-01.02	9/30/2010	\$0.9 M	Delivery of Preliminary Design for Tank 48 Return to Service by 9/30/2010.

Contract Output : SRR2010SALT-02

Description/Background/Justification:

- a. Liquid Waste System Plan, Rev 15 indicates 2.22 Mgal of low activity waste (LAW) will be transferred to Saltstone Processing Facility in FY10.
- b. Saltstone Vault 2 need date is March 2011.
- c. Vault 3 need date is March 2012. Vaults 3 and 5 to be executed as one capital asset construction project.
- d. ARP/MCU Life Extension requires adequate documentation/justification for HQ approval of Disposal Authorization Statement and modification of SCDHEC operating permit for Saltstone.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010SALT-02.01		\$2.2M	\$1.0M to be paid upon 1.0M cum gallons of low activity salt waste received from Tank 50 and processed into grout. Thereafter, \$1.00/gallon for every gallon of low activity salt waste received from Tank 50 and processed into grout. Maximum available fee is \$2.2 M.
SRR2010SALT - 02.02	Aug 31, 2010	\$0.6M	Saltstone Vault 2 subcontract turnover complete.
SRR2010SALT - 02.03	Jul 30, 2010	\$0.4M	Delivery of Disposal Cell design for Vaults 3 and 5.
SRR2010SALT - 02.04	Jun 30, 2010	\$0.4M	Site preparation for Vaults 3 and 5 construction site complete.
SRR2010SALT - 02.05	Sep 30, 2010	\$0.4M	Delivery of Unreviewed Disposal Question Evaluation (UDQE), with supporting documentation, for ARP/MCU Life Extension.

Acceptance Criteria

SRR2010SALT-01.01	Confirmation of total gallons processed through validation of ARP/MCU operations log entries and field observations.
SRR2010SALT-01.02	DOE verification of satisfactory quality product to facilitate acceptance of Preliminary Design for Tank 48 Return to Service.
SRR2010SALT-02.01	Confirmation of total gallons processed through validation of Saltstone operations log entries and field observations.
SRR2010SALT-02.02	Confirmation of subcontractor turnover via documentation review and field observation.
SRR2010SALT-02.03	DOE verification of satisfactory quality product to facilitate acceptance of Disposal Cell design for Vaults 3 and 5
SRR2010SALT-02.04	Confirmation of completion of site preparation activities via documentation review and field observation.
SRR2010SALT-02.05	DOE verification of satisfactory quality product to facilitate acceptance of Unreviewed Disposal Question Evaluation (UDQE), with supporting documentation for ARP/MCU Life Extension.



Performance Incentive Document

PBI Number: SRR2010TANK
Activity Name: AMWDP, Waste Removal & Tank Closure
 WBS Number: 01.90.01
 Performance Period: April 15, 2010 – September 30,2010
 Allocated Fee: \$16,000,000
 Revision Number: 0

Senior level manager name:
 Terry Spears, AMWDP

Senior level supervisor/division manager name:
 Jim Folk, Deputy AMWDP

Performance Requirement:

Contract Section C – Statement of Work
 Contract Section H.50 (b) 1.a. The Contractor will operationally close 15 non compliant tanks (independent of SWPF processing)
 Contract Section H.50 (b) 2. Implement Enhanced Chemical Cleaning for liquid waste tank cleaning

Contract Output : SRR2010TANK-01

Description/Background/Justification:

Completion of heel removal and tank cleaning, including initial regulatory concurrence and demonstrate progress toward tank closure. Completion of heel removal from Tanks 5 & 6 also provides technical bases through demonstrated results to support F Tank Farm closure decisions.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010TANK-01.01	Sep 30, 2010	\$2M	Complete Tank 5 primary and annulus cleaning. (ARRA Funded)
SRR2010TANK-01.02	Sep 30, 2010	\$2M	Complete Tank 6 primary and annulus cleaning. (ARRA Funded)

Contract Output : SRR2010TANK-02

Description/Background/Justification:

Meet Federal Facility Agreement (FFA) Regulatory Commitments. Completion of bulk waste removal (BWR) activities are required to comply with FFA commitments and demonstrate progress toward risk reduction and tank closure commitments.

Number	Exact date, periodicity,	Fee	Completion Criteria
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	frequency		
SRR2010TANK-02.01	Sep 30, 2010	\$2M	Complete bulk waste (supernate, sludge and salt) removal from Tank 8 to achieve readiness for heel removal and tank cleaning activities.
SRR2010Tank-02.02	Sep 30, 2010	\$2M	Complete bulk waste (supernate, sludge and salt) removal from Tank 12 to achieve readiness for heel removal and tank cleaning activities. (ARRA Funded)

Contract Output : SRR2010TANK-03

Description/Background/Justification:

Completion of large technical, one-of a kind documents to support closure decisions by DOE and external agencies. Submittal of the HTF PA to DOE by 9/30/10 supports compliance with FFA requirement for submittal to SCDHEC and EPA by 3/31/11 which will occur following DOE review and acceptance process under the LFRG which is estimated to take ~ 6 months to complete.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010TANK-03.01	Jul 31, 2010	\$3M	F Tank Farm Waste Determination Basis Document Rev. 0 and supporting reference documents.
SRR2010TANK-03.02	Sep 30, 2010	\$3M	H Tank Farm PA Rev. 0 including all supporting reference documents
SRR2010TANK-03.03	Sep 30, 2010	\$1M	Tanks 18/19 Closure Module Rev. 0 including all supporting reference documentation

Contract Output : SRR2010TANK-04

Description/Background/Justification:

Completion of conceptual design for Enhanced Chemical Cleaning (ECC) process leading to ECC deployment with the capability to maximize waste removal in tanks with cooling coils while minimizing downstream treatment and storage facility impacts from secondary stream generation will support future tank closure and liquid waste program commitments and objectives.

Number	Exact date, periodicity, frequency	Fee	Completion Criteria
SRR2010TANK-04.01	Sep 30, 2010	\$500K	Complete Conceptual Design of ECC Unit 1, Train 1 (ARRA Funded)
SRR2010TANK-04.02	Sep 30, 2010	\$500K	Complete Conceptual Design of ECC Balance of Plant for Tank 8 (ARRA Funded)

Acceptance Criteria

01.01	DOE-SR concurrence with presentation of cessation approach demonstrating readiness to approach other agencies for concurrence to proceed to the residual waste sample and analysis phase of tank closure
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- for Tank 5.
- 01.02 DOE-SR concurrence with presentation of cessation approach demonstrating readiness to approach other agencies for concurrence to proceed to the sample and analysis phase of tank closure for Tank 6.
 - 02.01 Transmittal of mapping and engineering evaluation to DOE-SR declaring completion of bulk waste removal. Once bulk waste removal (BWR) is complete, the tank will not be used for receipt/storage of additional waste unless approved by DOE.
 - 02.02 Transmittal of mapping and engineering evaluation to DOE-SR declaring completion of BWR. Once BWR is complete, the tank will not be used for receipt/storage of additional waste unless approved by DOE.
 - 03.01 DOE-SR verification of satisfactory quality product to facilitate acceptance to submit to EM.
 - 03.02 DOE-SR verification of satisfactory quality product to facilitate acceptance to submit to EM.
 - 03.03 DOE-SR verification of satisfactory quality product to facilitate acceptance to submit to SCDHEC and EPA.
 - 04.01 DOE-SR verification of satisfactory quality product to facilitate acceptance.
 - 04.02 DOE-SR verification of satisfactory quality product to facilitate acceptance.