

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0544	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 893040	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 MS: H6-60 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WASHINGTON RIVER PROTECTION SOLUTIONS LLC Attn: Keven Mabe Washington River Protection Solutions LLC 2425 Stevens Center Pl Richland WA 99354-1874		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 806500521 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-08RV14800	
		10B. DATED (SEE ITEM 13) 05/29/2008	

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 electronic communication 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 letter or electronic communication, provided each letter or electronic communication 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)

N/A

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

CHECK ONE X	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. FAR 52.243-2 Changes-Cost Reimbursement (AUG 1987)
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

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

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

1. The purpose of this modification is to incorporate the Performance Evaluation and Measurement Plan (PEMP) for Fiscal Year (FY) 2020. As such, this modification replaces Section J, Attachment J.4 in its entirety.

2. Attached to this modification is Section J, Attachment J.4, FY 2020 PEMP, pages 1 through 57.

Continued ...

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)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David R. Garcia	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 09/30/2019

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
DE-AC27-08RV14800/0544

PAGE OF
2 2

NAME OF OFFEROR OR CONTRACTOR
WASHINGTON RIVER PROTECTION SOLUTIONS LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>Payment: OR for ORP U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 4307 Oak Ridge TN 37831 Period of Performance: 06/20/2008 to 09/30/2019</p>				

Attachment 1

DE-AC27-08RV14800, MODIFICATION 544

Fiscal Year 2020 Performance Evaluation Measurement Plan

Replacement Pages

(Total: Fifty-Eight (58) including this Cover Page)

- **Section J, Attachment J.4, Performance Evaluation and Measurement Plan, Pages 1 thru 57**

SECTION J, ATTACHMENT J.4

**PERFORMANCE EVALUATION AND
MEASUREMENT PLAN FISCAL YEAR
2020**

Fiscal Year 2020

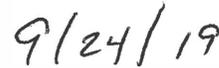
Performance Evaluation and Measurement Plan
For
Washington River Protection Solutions LLC

Performance Period:
October 1, 2019 through September 30, 2020

Issued by:



Brian T. Vance
Fee Determination Official
DOE-ORP



Date

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INTRODUCTION

Contract No. DE-AC27-08RV14800 uses multiple performance based incentives (PBIs) and special emphasis area (SEA) award fee components to drive Contractor excellence in performing the operations, construction, and maintenance of the Hanford Tank Farms. The Performance Evaluation and Measurement Plan (PEMP) gives the U.S. Department of Energy (DOE), Office of River Protection (ORP) a tool to identify and reward superior performance.

In the execution of the contract, Washington River Protection Solutions LLC (WRPS) is expected to provide comprehensive, effective management as conscientious stewards of all Tank Farm facilities and activities through:

1. Demonstrating safety leadership and risk-informed, conservative decision-making.
2. Anticipating project challenges and providing timely resolution.
3. Open communication with the workforce fostering a questioning attitude and an environment free from retribution.
4. Aggressive self-discovery of project issues to ORP through critical self-analysis, performance monitoring, and comprehensive extent of condition reviews.

This PEMP also defines the ORP approach in evaluating, documenting, and providing performance fee to WRPS, in the execution of requirements defined in Contract DE-AC27-08RV14800. This PEMP is for the contract period of performance from October 1, 2019 through September 30, 2020.

GENERAL INFORMATION

PEMP Objectives

1. Provide ORP with a mechanism to achieve its highest priority objectives.
2. Provide incentive to WRPS to accomplish ORP's management and program objectives through the establishment of critical performance objectives and measures.
3. Reward WRPS with fee commensurate with the achievement of the specific ORP performance requirements.
4. Create an administratively efficient process to assess WRPS performance.
5. Provide a fair and reasonable basis for determining the amount of fee earned.
6. Create a process that ensures WRPS work efforts are executed in a manner that provides high value and high quality deliverables to ORP.

Definitions

Award Fee The subjective fee component of Performance Fee.

Expected Performance Level. Meets agreed upon requirements and performance objectives.

Fee Determination Official (FDO) The final authority in determination of fee awarded to WRPS.

Office of River Protection. ORP is a Department of Energy Environmental Management field office.

Performance Evaluation Board (PEB) For the purpose of this PEMP, designated ORP senior managers and Contracting Officer are chartered with recommending WRPS earned fee to the FDO.

Performance Evaluation and Measurement Plan (PEMP) A plan that defines an approach in evaluating, documenting, and providing performance fee against specified PBIs and Award Fee Incentives.

Performance Evaluation Period The period for which the PEB evaluates contractor's overall performance: October 1 through September 30.

Performance Fee That portion of the total available fee which is tied exclusively to the contractor's performance of the contract. The performance fee amount will consist of an incentive fee component for objective performance requirements and an award fee component for subjective performance requirements, or both.

Performance Based Incentive (PBI) A PBI represents a reward or consequences that may be employed to motivate a contractor to achieve baseline or higher levels of performance of a requirement. In most instances, the incentive represents an amount of fee tied to the accomplishment of a performance objective.

Performance Measure The quantitative method for characterizing performance.

Performance Monitor (PM) Designated by the PEB as responsible individuals monitoring and evaluating the contractor's performance.

Performance Objective A statement of desired results from an organization or activity.

Provisional Payment of Fee Any payments paid on a provisional basis may be reclaimed.

Special Emphasis Area (SEA) An area that is extremely important to DOE and ORP and the fee associated with each area represents an incentive based on a graded approach and is a subjective determination by the PM for calculation of possible earned fee.

Straight-line Method This method provides a 100 percent incremental fee for completion of the performance measure prior to the expiration of the performance evaluation period.

Terminal Method This method provides 100 percent incremental fee for completion of the performance measure prior to a specific date and/or milestone; however, the Contractor will

forfeit 100 percent of the fee allocated to the performance measure for completion of the performance measure after the passing of the specific date and/or milestone as defined within the performance measure.

Fee Concept

Performance-based management contracting principles emphasize results-oriented work statements, and performance objectives and measures to incentivize contractors to achieve excellent performance. ORP implements performance-based management contracting principles through processes associated with Strategic Planning, Budget Formulation, Budget Execution, and Performance Evaluation.

WRPS is responsible for the furnishing of safe, compliant, cost-effective and energy-efficient services to further the ORP mission to store, retrieve and treat Hanford tank waste, store and dispose of treated waste, and to close the Tank Farm waste management areas to protect the Columbia River. Because of the nature of this work, ORP uses performance fee to incentivize and reward WRPS for performance. Performance fee consists of two components: an incentive fee component which provides management focus and emphasis on ORP's few critical program objectives and an award fee component which provides management focus on all other aspects of WRPS's performance of the overall Tank Farm operations, construction, and maintenance programs.

a. PBI

The PBI performance measures and fee measures are delineated in Attachment 1 of this PEMP. Emphasis will be placed on development of objective incentives based on definition of the desired outcome (the "what") and expect the contractor to compliantly and safely determine "how" the work is performed to achieve the desired outcome within the established funding constraints. These incentives are identified as PBIs and typically carry more performance risk and higher fee earning opportunities.

b. Award Fee SEA Incentives

The SEA performance objectives and measures are delineated in Attachment 1 of the PEMP. In certain instances, the contractor must provide support and/or deliverables that are required to accomplish the project objectives but are not objectively measurable in all cases. These efforts are therefore measured subjectively under incentives identified as SEAs and typically carry reduced performance risk and moderate fee earning opportunities and the FDO may use discretionary factors in determining fee. Consideration will also be given to complete and accurate technical information/products delivered in mutually agreed time frames that meet all applicable codes, standards, rules, regulations and orders.

The PBI and SEA fee pools are split approximately 60%/40% and when combined represent a total available fee pool of \$xx,xxx,xxx.

Each PBI will be evaluated during the period of performance on a pass/fail basis. Where a PBI requires completion of multiple discrete standalone items (e.g., 10 grab samples or 7 laboratory

equipment upgrades) incentives will be paid at the end of the fiscal year based on units complete, prorated, if less than all items are completed, unless specifically stated otherwise. Unearned fee is not available to be earned in any subsequent evaluation period. Where a PBI requires completion of multiple discrete standalone items and the period of performance is reached before the end of the fiscal year, incentives will be paid based on units complete, prorated, at the time of contract completion with any unearned balance being allocated as described within this PEMP.

For all PBIs which require DOE or other external body reviews, it is assumed review comments are received by WRPS within 15 calendar days unless specifically stated otherwise.

Alignment of Total Available Fee at the Completion of the Physical Period of Performance

At the end of the physical period of performance of the Tank Operations Contract, a final adjustment of the Contract Cost and Fee table will be made due to outstanding change proposals and any work not performed. At this point, in order to reconcile the sum of the contract PEMPs and Total Available Fee the following adjustment will be made to the FY 2020 Special Emphasis Area Available Fee:

	Contract Total Available Fee
Less	Available Fee Assigned to Prior Period PEMPs
Less	FY 2020 PEMP milestone values earned
Less	FY 2020 PEMP milestone values lost due to missed terminal dates
<i>Equals</i>	<i>FY 2020 Special Emphasis Area Available Fee</i>

All Special Emphasis Areas will either be increased or decreased in equal ratio in order to align to the total available fee calculated above.

In the event of early termination of the contract, the Contractor may earn fee for accelerated completion of PBIs with terminal dates outside of the period of performance. The fee for accelerated PBIs will be deducted from the available SEA fee pool up to a limit of 10% of the negotiated SEA fee pool of 40%. Once a 10% reduction in the SEA fee pool has been reached due to accelerated PBIs, no further reduction to the SEA fee pool shall be allowed thus preserving a minimum SEA fee pool of 30%.

Provisional Payment of Fee

Provisional payment of fee has no implications for the Government's eventual determination that the Contractor has or has not earned the associated available fee. Provisional payment of fee is a separate and distinct concept from earned fee. The Contractor could, for example, receive 100 percent of possible provisional fee payments yet not earn any fee (the Contractor would be required to return all of the provisional fee payments). The Contractor could, for example, receive zero percent of possible provisional fee payments yet earn the entire amount of available fee (it would not receive any fee payments until the Government's determination that the Contractor had earned the associated available fee for the incentive).

If the Contracting Officer determines the Contractor has not met the requirements to retain any provisionally paid fee and notifies the Contractor, the Contractor must return that provisionally paid fee to the Government within thirty (30) days:

- (i) The Contractor's obligation to return the provisional paid fee is independent of its intent to dispute or its disputing the Contracting Officer's determination; and
- (ii) If the Contractor fails to return the provisionally paid fee within thirty (30) days of the Contracting Officer's determination, the Government, in addition to all other rights that accrue to the Government and all other consequences for the Contractor due to the Contractor's failure, may deduct the amount of the provisionally paid fee from amounts it owes under invoices; or any other amount it owes the Contractor for payment, financing, or other obligation.

Pending satisfactory performance, the Contractor is authorized to invoice for provisional fee once per month at a rate of 2% of the total fee pool. At no point, shall the aggregate provisional fee payments exceed 24% of the negotiated fee pool.

Award Fee Determination

Award fee dollars are determined in accordance with Contract No. DE-AC27-08RV14800, Section B, Clause B.8, "Fee Determination and Payment." Award fee dollars are noted in the tables provided in Attachment 1.

In accordance with FAR 16.401(e)(3)(v), "Incentive Contracts," "General," the contractor is prohibited from earning any award fee when the contractor's overall cost, schedule, and technical performance is below satisfactory.

Evaluation Process

The U.S. Department of Energy (DOE), Office of River Protection (ORP) will evaluate and measure performance for each of the award fee objectives on a quarterly basis in accordance with DOE-ORP-PRO-CPM-50411, Cost Plus Award Fee Administration. The Contractor will provide a summary of the effectiveness of its Contractor Assurance System to ORP to support the quarterly evaluations. DOE will identify WRPS performance strengths and weakness at the end of each of the four quarters, year-to-date for each of the award fee objectives. DOE will assign adjectival ratings only at the end of the fourth quarter. The adjectival ratings for each of the award fee objectives will be based on the entire year's performance.

Contractor Self-Assessment

Following each evaluation period, the Contractor may submit a self-assessment, provided such assessment is submitted within ten (10) calendar days after the end of the period. This self-assessment shall address both the strengths and weaknesses of the Contractor's performance during the evaluation period. Where deficiencies in performance are noted, the Contractor shall describe the actions planned or taken to correct such deficiencies and avoid their recurrence. The Contracting Officer will review the Contractor's self-assessment, if submitted, as part of its independent evaluation of the Contractor's management during the period.

Monthly PBI Completion Submittal

Within ten (10) working days after the end of a calendar month, WRPS shall provide the ORP Contracting Officer with a list of the PBIs completed in that month and supporting documentation demonstrating the PBIs have been earned. The Contractor is authorized to

include an invoice for provisional fee at a rate of 2% of the total fee pool. The Contractor will provide an electronic copy of its monthly PBI completion report to the ORP Contracting Officer for distribution to ORP PMs.

Within ten working (10) days after the end of the third quarter, WRPS shall provide the Contracting Officer with a self-assessment of their performance towards achievement of the award fee performance objectives and measures during the first three quarters. The Contractor will provide an electronic copy of its third quarter award fee self-assessment report to the ORP Contracting Officer for distribution to ORP PMs.

METHOD FOR CHANGING PLAN COVERAGE

Proposed changes to the PEMP may be initiated by ORP. Proposed changes to the PEMP may be initiated on the official PEMP Change Form (Attachment 4). The respective PM will review and concur on proposed changes prior to any changes being made to the PEMP. The FDO will either approve or disapprove any proposed changes to the PEMP.

REFERENCES

DOE ORP contract with WRPS; Contract DE-AC27-08RV14800.

PERFORMANCE BASED INCENTIVES

PERFORMANCE BASED INCENTIVE	VALUE	PERFORMANCE MONITOR
PBI-59.0, CLIN 2: Tank Retrieval/Closure Activities	21.2%	Tank Farms
PBI-60.0, CLIN 3: Direct Feed Low Activity Waste Support (Expense)	7.3%	Tank Farms
PBI-62.0, CLIN 2: Tank Farm Operations	22.6%	Tank Farms
Total Expense PBI Fee Available	51.1%	
PBI-61.0, CLIN 3: Direct Feed Low Activity Waste Support (Capital)	8.9%	Tank Farms
Total Capital PBI Fee Available	8.9%	
Total FY 2020 PBI Fee Available	60.0%	

PBI-59.0, CLIN 2: Retrieval/Closure Activities

Performance Fee value is established at 21.2% of the Fiscal Year 2020 fee pool.

Milestone	Method	Fee Value	Due Date	Fund Type
59.0.1	Terminal	0.5%	March 31, 2020	Expense
59.0.2	Terminal	2.2%	August 15, 2020	Expense
59.0.3	Terminal	3.9%	September 30, 2020	Expense
59.0.4	Terminal	1.5%	April 30, 2020	Expense
59.0.5	Terminal	0.4%	September 30, 2020	Expense
59.0.6	Terminal	0.4%	June 30, 2020	Expense
59.0.7	Terminal	0.4%	June 30, 2020	Expense
59.0.8	Terminal	0.4%	September 30, 2020	Expense
59.0.9	Terminal	0.4%	June 30, 2020	Expense
59.0.10	Terminal	0.4%	June 30, 2020	Expense
59.0.11	Terminal	0.4%	September 30, 2020	Expense
59.0.12	Terminal	0.9%	September 30, 2020	Expense
59.0.13	Terminal	0.4%	June 30, 2020	Expense
59.0.14	Terminal	1.1%	September 30, 2020	Expense
59.0.15	Terminal	0.3%	January 31, 2020	Expense
59.0.16	Terminal	0.4%	September 30, 2020	Expense
59.0.17	Terminal	0.4%	June 30, 2020	Expense
59.0.18	Terminal	0.4%	September 30, 2020	Expense
59.0.19	Terminal	0.4%	June 30, 2020	Expense
59.0.20	Terminal	0.4%	September 30, 2020	Expense
59.0.21	Terminal	1.5%	September 30, 2020	Expense
59.0.22	Terminal	1.5%	September 30, 2020	Expense
59.0.23	Terminal	2.6%	September 30, 2020	Expense
Total		21.2%		

Desired Endpoint/Outcome:

The work outlined in this PBI is required to prepare and retrieve tanks in A/AX farms for waste retrieval and initiate and perform waste retrieval activities in support of Amended Consent Decree Milestones B-2 and B-3. Additional work outlined in this PBI includes work necessary to completed design and construction of interim surface barriers in support of Tri-Party Agreement Milestone (TPA) M-045-92.

Fee Bearing Milestones:

- 59.0.1. Complete waste retrieval operations for Tank AX-102 by March 31, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete waste retrieval operations of Tank AX-102 to a residual waste volume of less than 360 cubic feet or to the limits of two approved technologies as defined by the applicable Tank Waste Retrieval Work Plan (TWRWP) RPP-RPT-58933, Revision 01 with Modification 2019-01 and document results in the Contractor's Retrieval Completion Report (RCR).

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the Contractor's RCR documenting the field results of retrieval released through SmartPlant.

- 59.0.2. Complete waste retrieval system construction for Tank AX-104 and turnover to operations by August 15, 2020. The Contractor shall earn 2.2% fee upon completion.

Work scope/completion criteria:

Complete waste retrieval system construction and approval of the Operational Readiness Checklist (ORC) to support waste retrieval operations at Tank AX-104.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the signed ORC, and a copy of the Contractor approved Construction Completion Document (CCD) through section 1a with exceptions listing.

- 59.0.3. Complete waste retrieval operations for Tank AX-104 by September 30, 2020. The Contractor shall earn 3.9% fee upon completion.

Work scope/completion criteria:

Complete waste retrieval operations of Tank AX-104 to a residual waste volume of less than 360 cubic feet or to the limits of two approved technologies as defined by the applicable TWRWP RPP-RPT-58935, Revision 01 with Modification 2019-01 and document results in the Contractor's RCR.

Completion document:

Letter transmitting the performance expectation completion notice and a released copy of the Contractor's RCR documenting field results of retrieval.

- 59.0.4. Complete installation and turnover of the A-Farm ventilation system by April 30, 2020. The Contractor shall earn 1.5% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the A-Farm ventilation system providing continuous active ventilation of A-Farm tanks: A-101, A-102, A-103, A-104, A-105, and A-106.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the signed ORC validating that the system has been installed, tested, turned over, and is ready for operations.

- 59.0.5. Complete fabrication and testing of the integrated Mechanical Waste Gathering System (MWGS) prototype and submit and effectiveness test report by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete vendor testing of the integrated MWGS prototype to include testing of the umbilical management system, booster pump, and integrated system testing and submit an effectiveness test report.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the vendor test plan(s) and report documenting the results.

- 59.0.6. Complete the first of three (3) Long Length Equipment (LLE) removals in AX-Farm by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in AX-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods. Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in AX-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS) confirmation of the LLE removal completion.

- 59.0.7. Complete the second of three (3) LLE removals in AX-Farm by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in AX-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods. Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in AX-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS)

confirmation of the LLE removal completion.

- 59.0.8. Complete the third of three (3) LLE removals in AX-Farm by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in AX-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods.

Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in AX-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS) confirmation of the LLE removal completion.

- 59.0.9. Complete the first of three (3) LLE removals in A-Farm by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in A-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods.

Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in A-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS) confirmation of the LLE removal completion.

- 59.0.10. Complete the second of three (3) LLE removals in A-Farm by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in A-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods.

Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in A-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS) confirmation of the LLE removal completion.

- 59.0.11. Complete the third of three (3) LLE removals in A-Farm by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete removal of one (1) LLE from a tank located in A-Farm to prepare for the installation of retrieval equipment. Completion criteria shall exclude credit for any LLE removals considered to be carry over scope from prior performance periods. Completion of this PBI shall not be claimed until all carry over scope from prior performance periods for LLE removals in A-Farm have been completed.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package(s) signature page approved through Field Work Supervisor (FWS) confirmation of the LLE removal completion.

- 59.0.12. Complete removal of six (6) legacy AY-102 Hose-In-Hose-Transfer-Lines (HIHTLs) by September 30, 2020. The Contractor shall earn 0.9% fee upon completion.

Work scope/completion criteria:

Complete field removal and packaging of six (6) legacy AY-102 HIHTLs for shipment to a treatment or disposal facility to provide installation footprint for A-Farm waste transfer lines in support of A-Farm waste retrieval.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work record entry documenting Operations Acceptance for the removal and packaging of the six (6) HIHTLs.

- 59.0.13. Complete draft closure conceptual design report for Waste Management Area (WMA) A/AX by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete the draft closure conceptual design report of WMA A/AX for ORP review.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the draft WMA A/AX closure conceptual design package report for ORP review.

- 59.0.14. Complete installation of the TX farm evapotranspiration basin by September 30, 2020. The Contractor shall earn 1.1% fee upon completion.

Work scope/completion criteria:

Complete installation of the TX farm evapotranspiration basin to support TPA milestone M-045-92Y.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 59.0.15. Complete camera visual inspection and residual waste volume measurement report for Tank 241-C-106 by January 31, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Perform video inspection and calculation of the final residual waste volume in Tank 241-C-106. Completion criteria shall include issuance and transmittal of the final report documenting the residual waste volume of Tank C-106 to ORP.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final report documenting the residual waste volume of Tank C-106.

- 59.0.16. Complete final draft of the RCRA Tier 3 closure plan for tanks C-101 through C-106 by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete final draft of the RCRA Tier 3 closure plan for tanks C-101 through C-106 with ORP review comments incorporated and submit to ORP for review and approval.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final draft of the RCRA Tier 3 closure plan for tanks C-101 through C-106.

- 59.0.17. Complete final draft of the DOE Order 435.1 Tier 2 closure plan for tanks C-107 through C-112 by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete final draft of the DOE Order 435.1 Tier 2 closure plan for tanks C-107 through C-112 with ORP review comments incorporated and submit to ORP for review and approval.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final draft of the DOE Order 435.1 Tier 2 closure plan for tanks C-107 through C-112.

- 59.0.18. Complete draft preliminary RCRA closure analysis of WMA A/AX residuals by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete draft preliminary RCRA closure analysis of WMA A/AX residuals.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the draft preliminary RCRA closure analysis of WMA A/AX residuals.

- 59.0.19. Complete draft Final Waste Incidental Report (WIR) Evaluation for WMA C by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete draft Final WIR Evaluation for WMA C, incorporating requirements of DOE O 435.1, and DOE, NRC, and public comments, and submit to ORP for review.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final draft WIR Evaluation for WMA C.

- 59.0.20. Complete final draft of the DOE O 435.1 Tier 1 closure plan for WMA C and Tier 2 closure plan for C-200 tanks by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete final draft of the DOE O 435.1 Tier 1 closure plan for WMA C and Tier 2 closure plan for C-200 tanks, with ORP and EM review comments incorporated, and submit to ORP for review and approval.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the DOE O 435.1 Tier 1 closure plan for WMA C and Tier 2 closure plan for C-200 tanks.

- 59.0.21. Complete vadose zone direct push characterization for Focus Area 2 of WMA A/AX by September 30, 2020. The Contractor shall earn 1.5% fee upon completion.

Work scope/completion criteria:

Complete vadose zone direct push characterization for Focus Area 2 of WMA A/AX to include collection of an average of 10 soil samples from two (2) locations south of A Farm. Completion shall include reporting of the initial analysis of samples for soil moisture, technetium, and nitrate concentrations.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the chain of custody forms, and a copy of the report documenting sample locations, depths, and analytical results.

- 59.0.22. Complete drywell logging for Focus Area 1 of WMA A/AX by September 30, 2020. The Contractor shall earn 1.5% fee upon completion.

Work scope/completion criteria:

Complete drywell logging for Focus Area 1 of WMA A/AX to include logging of up to eighteen (18) drywells around Tanks A-104 and A-105 for spectral gamma, neutron moisture, and temperature. Completion shall include a log data report for each drywell logged containing field measurements, notes, and interpretations.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the report documenting the drywells logged, and a copy of the log data report from each drywell logged.

- 59.0.23. Complete installation of the AX-103 infrastructure system and two (2) tank retrieval system components by September 30, 2020. The Contractor shall earn 2.6% fee upon completion.

Work scope/completion criteria:

Complete installation of the AX-103 infrastructure system and two (2) tank retrieval system components. AX-103 infrastructure installation includes diversion box POR413, AX-103 HIHTLs, conduit and wire installation of two (2) in-tank retrievals system components (e.g. sluicers or pump). Installation is limited to mechanical installation and does not include HIHTL, electrical, or control system connections. Construction or operational acceptance testing is not included.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package(s) signature page approved through FWS confirmation that installation is complete.

PBI-60.0, CLIN 3: Direct Feed Low Activity Waste Support (Expense)

Performance Fee value is established at 7.3% of the Fiscal Year 2020 fee pool.

Milestone	Method	Fee Value	Due Date	Fund Type
60.0.1	Terminal	0.3%	March 31, 2020	Expense
60.0.2	Terminal	0.4%	September 30, 2020	Expense
60.0.3	Terminal	0.4%	June 30, 2020	Expense
60.0.4	Terminal	0.4%	September 30, 2020	Expense
60.0.5	Terminal	0.4%	September 30, 2020	Expense
60.0.6	Terminal	0.6%	March 31, 2020	Expense
60.0.7	Terminal	0.6%	March 31, 2020	Expense
60.0.8	Terminal	0.6%	March 31, 2020	Expense
60.0.9	Terminal	0.6%	September 30, 2020	Expense
60.0.10	Terminal	0.6%	July 31, 2020	Expense
60.0.11	Terminal	0.6%	December 31, 2019	Expense
60.0.12	Terminal	0.4%	September 30, 2020	Expense
60.0.13	Terminal	0.4%	September 30, 2020	Expense
60.0.14	Terminal	0.5%	June 30, 2020	Expense
60.0.15	Terminal	0.5%	September 30, 2020	Expense
Total		7.3%		

Desired Endpoint/Outcome:

The work outlined in this PBI contributes to the increased schedule confidence that Direct-Feed Low-Activity Waste (DFLAW) processing will begin on or before December 2021, in addition to supporting TPA milestones.

Fee Bearing Milestones:

60.0.1. Reduce Liquid Effluent Retention Facility (LERF) inventory by 1,000,000 gallons by March 31, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Operate the Effluent Treatment Facility (ETF) to process waste volume reduction of 1,000,000 gallons.

Completion document:

Letter transmitting the performance expectation completion notice and evidence of completion documenting that the LERF inventory reduction has been achieved.

60.0.2. Complete 100% design of the ETF redundant filtration upgrades by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the ETF redundant filtration upgrades to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 60.0.3. Complete 100% design of LERF Basin 41 by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the LERF Basin 41 to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 60.0.4. Complete 100 % design and procurement/fabrication of the ETF Ultraviolet Oxidation (UV/OX) system upgrades by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the ETF UV/OX system upgrades to include all comments dispositioned, approval, and release through SmartPlant Foundation. Receive through green-tag acceptance all procured and/or fabricated material and equipment necessary to complete the ETF UV/OX system upgrade.

Completion document:

Letter transmitting the performance expectation completion notice, a matrix identifying the final design package approved and released through SmartPlant Foundation, and documentation of the receipt and green-tag acceptance of the procured and/or fabricated item(s).

- 60.0.5. Complete 100% design and procurement/fabrication of the ETF Monitoring Control System (MCS) upgrades by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the ETF MCS upgrades to include all comments dispositioned, approval, and release through SmartPlant Foundation. Receive through green-tag acceptance all procured and/or fabricated material and equipment necessary to complete the ETF MCS upgrade.

Completion document:

Letter transmitting the performance expectation completion notice, a matrix identifying the final design package approved and released through SmartPlant Foundation, and documentation of the receipt and green-tag acceptance of the procured and/or fabricated item(s).

- 60.0.6. Complete installation and turnover of the ETF Reverse Osmosis (RO) pumps and valving upgrades by March 31, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF RO pumps and valving upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.7. Complete installation and turnover of the ETF cooling tower and pump upgrades by March 31, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF cooling tower and pump upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.8. Complete installation and turnover of the ETF evaporator vapor body drain valve upgrades by March 31, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF evaporator vapor body drain valve upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.9. Complete installation and turnover of the ETF brine stabilization upgrades by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF brine stabilization upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.10. Complete physical tie-in of the 310/311-PL transfer lines at interface nodes 8A & 8B by July 31, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete physical tie-in of the 310/311-PL transfer lines at interface nodes 8A & 8B.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.11. Complete installation and turnover of the AP-Farm change trailer by December 31, 2019. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the AP-Farm change trailer.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 60.0.12. Complete 100% design of the AP-Farm truck loading station by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the AP-Farm truck loading station to include all comments incorporated, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 60.0.13. Complete and submit the DSA amendment for the AP-Farm truck loading station to ORP by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete the DSA amendment for the AP-Farm truck loading station with ORP review comments incorporated and submit for ORP review and approval.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the DSA amendment for the AP-Farm truck loading station.

- 60.0.14. Complete fabrication and delivery of the Cold Commissioning Immobilized Low Activity Waste (ILAW) transporter equipment set to include one (1) trailer and three (3) pallets by June 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete fabrication and delivery of the Cold Commissioning ILAW transporter equipment set to include one (1) trailer and three (3) pallets. Receive through green-tag acceptance all procured and/or fabricated material and equipment.

Completion document:

Letter transmitting the performance expectation completion notice and documentation of the receipt and green-tag acceptance of the procured and/or fabricated item(s).

- 60.0.15. Complete fabrication and delivery of the final ILAW transporter equipment set to include two (2) trailers and Twenty (20) pallets by September 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete fabrication and delivery of the final ILAW transporter equipment set to include two (2) trailers and twenty (20) pallets. Receive through green-tag acceptance all procured and/or fabricated material and equipment.

Completion document:

Letter transmitting the performance expectation completion notice and documentation of the receipt and green-tag acceptance of the procured and/or fabricated item(s).

PBI-61.0, CLIN 3: Direct Feed Low Activity Waste Support (Capital)

Performance Fee value is established at 8.9% of the Fiscal Year 2020 fee pool.

Milestone	Method	Fee Value	Due Date	Fund Type
61.0.1	Terminal	0.5%	March 31, 2020	Capital
61.0.2	Terminal	0.5%	December 31, 2019	Capital
61.0.3	Terminal	1.3%	June 30, 2020	Capital
61.0.4	Terminal	1.3%	September 30, 2020	Capital
61.0.5	Terminal	1.3%	June 30, 2020	Capital
61.0.6	Terminal	1.0%	June 30, 2020	Capital
61.0.7	Terminal	0.3%	December 31, 2019	Capital
61.0.8	Terminal	0.3%	March 31, 2020	Capital
61.0.9	Terminal	0.3%	June 30, 2020	Capital
61.0.10	Terminal	0.5%	September 30, 2020	Capital
61.0.11	Terminal	0.5%	November 30, 2019	Capital
61.0.12	Terminal	1.1%	February 29, 2020	Capital
Total		8.9%		

Desired Endpoint/Outcome:

The work outlined in this PBI contributes to the increased schedule confidence that Direct-Feed Low-Activity Waste (DFLAW) processing will begin on or before December 2021, in addition to supporting TPA milestones.

Fee Bearing Milestones:

- 61.0.1. Complete Factory Acceptance Test (FAT) of the TSCR system by March 31, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete design, fabrication, and Factory Acceptance Testing (FAT) of the TSCR system.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the test plan(s) and report documenting the results.

- 61.0.2. Complete fabrication of the TSCR system by December 31, 2019. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete fabrication of the TSCR system to include:

- Media Trap
- Filter Assemblies
- Ion Exchange Columns
- Treated Waste Delay Tank
- Process Piping
- Process Enclosure
- Ancillary Enclosure
- Control Enclosure

Completion shall include approval of the travelers through final inspection for the aforementioned TSCR system components.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the travelers approved through the final inspection.

- 61.0.3. Complete delivery and anchoring of the TSCR system to the Balance of Facilities (BOF) concrete pad by June 30, 2020. The Contractor shall earn 1.3% fee upon completion.

Work scope/completion criteria:

Complete delivery and anchoring of the TSCR system to the BOF concrete pad to support readiness for the Construction Acceptance Testing (CAT).

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 61.0.4. Complete installation of the Ion Exchange Column (IXC) storage pad and transfer path by September 30, 2020. The Contractor shall earn 1.3% fee upon completion.

Work scope/completion criteria:

Complete installation of the Ion Exchange Column storage pad and transfer path.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 61.0.5. Complete installation of the TSCR Balance of Facilities (BOF) concrete pad by June 30, 2020. The Contractor shall earn 1.3% fee upon completion.

Work scope/completion criteria:

Complete installation of the TSCR BOF concrete pad.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 61.0.6. Complete installation of the AP-106 nozzle in pit AP-06A by June 30, 2020. The Contractor shall earn 1.0% fee upon completion.

Work scope/completion criteria:

Complete installation of the AP-106 nozzle in pit AP-06A.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 61.0.7. Complete disposition of the External Independent Review (EIR) team findings by December 31, 2019. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Complete disposition of the EIR team findings and obtain EIR team concurrence that all comments have been dispositioned thus allowing the EIR team to recommend CD-2/3 approval. Completion of this PBI by the terminal date assumes Contractor receipt of the EIR team findings by November 22, 2019. Should the EIR team findings be delayed, the PBI will be renegotiated.

Completion document:

Letter transmitting the performance expectation completion notice, disposition document of EIR team findings, and EIR final report recommending CD-2/3 approval.

- 61.0.8. Submit the first draft of the TSCR demonstration project Documented Safety Analysis (DSA) Addendum for ORP review by March 31, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Submit the first draft of the TSCR demonstration project Documented Safety Analysis (DSA) Addendum for ORP review with the following incorporated:

- Final Design Media (TSCR system, TFU, Waste Feed Delivery and Storage Pad)
- Updated Process Hazards Analysis (PrHA)
- Updated RPP-CALC-62212, *Unmitigated Design Basis Accident Consequence Analysis for the Tank-Side Cesium Removal System*
- Outstanding calculations and analysis as noted in the approval of the Preliminary Documented Safety Analysis (PDSA)
- Hazard Evaluation Database Report

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the first draft of the DSA Addendum in accordance with the completion criteria, and a copy of the incoming letter of transmittal to ORP.

- 61.0.9. Submit the second draft of the TSCR demonstration project DSA Addendum for ORP review by June 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Submit the second draft of the TSCR demonstration project Documented Safety Analysis (DSA) Addendum for ORP review with the following incorporated:

- First draft review comments
- Control selection results
- Applicable Technical Safety Requirements (TSRs)

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the second draft of the DSA Addendum in accordance with the completion criteria, and a copy of the incoming letter of transmittal to ORP.

- 61.0.10. Submit the final TSCR demonstration project DSA Addendum to ORP for approval by September 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Submit the final TSCR demonstration project Documented Safety Analysis (DSA) Addendum to ORP for approval with all review comments incorporated.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the final DSA Addendum in accordance with the completion criteria, and a copy of the incoming letter of transmittal to ORP.

- 61.0.11. Complete the TSCR demonstration project Resource and Conservation Recovery Act (RCRA) permit supplemental package #1 and submit to ORP by November 30, 2019. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete and submit to ORP the TSCR demonstration project RCRA permit supplemental package #1. The supplemental package will consist of application sections to reflect the final design media (TSCR system, TFU, Waste Feed Delivery and Storage Pad).

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the RCRA

permit supplemental package #1, and a copy of the incoming letter of transmittal to ORP.

61.0.12. Complete and submit the RCRA Temporary Authorizations (TAs) required to support construction activities for the TSCR demonstration project to ORP by February 29, 2020. The Contractor shall earn 1.1% fee upon completion.

Work scope/completion criteria:

Complete and submit the RCRA Temporary Authorizations (TAs) required to support construction activities for the TSCR demonstration project to ORP to include TAs for the following:

- TSCR System
- Waste Transfer Lines
- Ion Exchange Storage Pad

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the ORP approved TAs, and a copy of the incoming letter(s) of transmittal to ORP.

PBI-62.0, CLIN 2: Tank Farm Operations

Performance Fee value is established at 22.6% of Fiscal Year 2020 fee pool.

Milestone	Method	Fee Value	Due Date	Fund Type
62.0.1	Terminal	0.6%	September 30, 2020	Expense
62.0.2	Terminal	0.6%	September 30, 2020	Expense
62.0.3	Terminal	0.4%	September 30, 2020	Expense
62.0.4	Terminal	0.6%	September 30, 2020	Expense
62.0.5	Terminal	0.7%	June 25, 2020	Expense
62.0.6	Terminal	0.4%	September 30, 2020	Expense
62.0.7	Terminal	0.4%	September 30, 2020	Expense
62.0.8	Terminal	0.6%	June 30, 2020	Expense
62.0.9	Terminal	0.6%	September 30, 2020	Expense
62.0.10	Terminal	0.6%	September 30, 2020	Expense
62.0.11	Terminal	0.6%	September 30, 2020	Expense
62.0.12	Terminal	0.6%	September 30, 2020	Expense
62.0.13	Terminal	0.4%	June 30, 2020	Expense
62.0.14	Terminal	0.5%	September 30, 2020	Expense
62.0.15	Terminal	0.5%	September 30, 2020	Expense
62.0.16	Terminal	0.5%	September 30, 2020	Expense
62.0.17	Terminal	0.4%	September 30, 2020	Expense
62.0.18	Terminal	2.7%	September 30, 2020	Expense
62.0.19	Terminal	0.2%	September 30, 2020	Expense
62.0.20	Terminal	0.2%	September 30, 2020	Expense
62.0.21	Terminal	0.6%	August 15, 2020	Expense
62.0.22	Terminal	0.3%	June 30, 2020	Expense
62.0.23	Terminal	0.3%	September 30, 2020	Expense
62.0.24	Terminal	0.3%	March 31, 2020	Expense
62.0.25	Terminal	0.3%	June 30, 2020	Expense
62.0.26	Terminal	0.3%	September 30, 2020	Expense
62.0.27	Terminal	1.2%	March 31, 2020	Expense
62.0.28	Terminal	1.2%	June 30, 2020	Expense
62.0.29	Terminal	1.2%	September 30, 2020	Expense
62.0.30	Terminal	2.3%	September 30, 2020	Expense
62.0.31	Terminal	0.4%	September 30, 2020	Expense
62.0.32	Terminal	0.3%	June 30, 2020	Expense
62.0.33	Terminal	0.3%	September 30, 2020	Expense
62.0.34	Terminal	0.7%	June 30, 2020	Expense
62.0.35	Terminal	0.4%	December 31, 2019	Expense
62.0.36	Terminal	0.4%	September 30, 2020	Expense
Total		22.6%		

Desired Endpoint/Outcome:

The work outlined in this PBI is required to maintain safe and compliant Tank Farm Operations.

Fee Bearing Milestones:

- 62.0.1. Complete installation and turnover of the 222-S laboratory facility fire alarm system upgrades by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the 222-S laboratory facility fire alarm system.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.2. Complete installation and turnover of the 242-A instrument air dryer upgrade by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the 242-A instrument air dryer upgrade.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.3. Complete 100% design of the 242-A DSA Safety System upgrades by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the 242-A DSA Safety System upgrades to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 62.0.4. Complete removal of the 242-A Evaporator E-101 and E-104 tanks by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete removal of the 242-A Evaporator E-101 and E-104 tanks.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.5. Initiate one (1) 242-A Evaporator campaign by June 25, 2020. The Contractor shall earn 0.7% fee upon completion.

Work scope/completion criteria:

Initiate one (1) 242-A Evaporator campaign necessary to maintain operational proficiency.

Completion document:

Letter transmitting the performance expectation completion notice and evidence of initiating the campaign by June 25, 2020.

- 62.0.6. Complete 100% design of the ETF load-in expansion by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the ETF load-in expansion to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 62.0.7. Complete 100% design of the Vessel Off-Gas (VOG) demister housing by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the VOG demister housing to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 62.0.8. Complete installation and turnover of the ETF chiller upgrades by June 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF chiller upgrades

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.9. Complete tank interior recoating and turnover of the ETF Verification Tank 60H-TK-1A by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete tank interior recoating and turnover of the ETF Verification Tank 60H-TK-1A.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.10. Complete installation and turnover of the ETF Load-In Drain & Filter system upgrades by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF Load-In Drain & Filter system upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.11. Complete installation and turnover of the ETF 4% Caustic Tank upgrade by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF 4% Caustic Tank upgrade.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.12. Complete installation and turnover of the ETF Uninterrupted Power Supply (UPS) upgrade by September 30, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the ETF Uninterrupted Power Supply (UPS) upgrade.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.13. Complete 100% design of the 242-A slurry and feed line replacement by June 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete 100% design of the 242-A slurry and feed line replacement to include all comments dispositioned, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a matrix identifying the final design package approved and released through SmartPlant Foundation.

- 62.0.14. Complete jumper removal, nozzle installation, and laser scanning to include the final report of laser scan results in AW-02E pit by September 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete jumper removal, nozzle installation, and laser scanning of the AW-02E Pit. Completion criteria shall include the receipt of the final report documenting the laser scan results.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document. Completion documentation shall include a copy of the final report documenting the laser scan results.

- 62.0.15. Complete jumper removal, nozzle installation, and laser scanning to include the final report of laser scan results in AW-B pit by September 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete jumper removal, nozzle installation, and laser scanning of the AW-B Pit. Completion criteria shall include the receipt of the final report documenting the laser scan results.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where

applicable, a copy of the Construction Completion Document. Completion documentation shall include a copy of the final report documenting the laser scan results.

- 62.0.16. Complete jumper removal, nozzle installation, and laser scanning to include the final report of laser scan results in the 242-A Pump Room by September 30, 2020. The Contractor shall earn 0.5% fee upon completion.

Work scope/completion criteria:

Complete jumper removal, nozzle installation, and laser scanning of the 242-A Pump Room. Completion criteria shall include the receipt of the final report documenting the laser scan results.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document. Completion documentation shall include a copy of the final report documenting the laser scan results.

- 62.0.17. Complete replacement of the AW-02E transfer pump by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete installation of a new waste transfer pump in the AW-02E pump pit.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.18. Complete installation and turnover of the SY exhauster by September 30, 2020. The Contractor shall earn 2.7% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the SY exhauster.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.19. Complete installation and Construction Acceptance Testing (CAT) of the SY-Farm stack monitor by September 30, 2020. The Contractor shall earn 0.2% fee upon completion.

Work scope/completion criteria:

Complete installation and CAT of the SY-Farm stack monitor.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.20. Complete installation and Construction Acceptance Testing (CAT) of the A-Farm stack monitor by September 30, 2020. The Contractor shall earn 0.2% fee upon completion.

Work scope/completion criteria:

Complete installation and CAT of the A-Farm stack monitor.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.21. Complete installation and turnover of the S/SX-Farm automation upgrades by August 15, 2020. The Contractor shall earn 0.6% fee upon completion.

Work scope/completion criteria:

Complete installation and turnover of the S/SX-Farm automation upgrades.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and where applicable, a copy of the Construction Completion Document.

- 62.0.22. Complete the first of two (2) core samples by June 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Complete the first of two (2) core samples from one (1) of two (2) DSTs selected as described in the applicable Tank Sample Analysis Plans (TSAPs). At minimum, the TSAP shall identify the type of sample, technical need for sampling activity, location of samples, and the sampling requirements

Completion document:

Letter transmitting the performance expectation completion notice, copy of the sample chain of custody, and copy of the sampling datasheet.

- 62.0.23. Complete the second of two (2) core samples by September 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Complete the second of two (2) core samples from one (1) of two (2) DSTs selected as described in the applicable TSAPs. At minimum, the TSAP shall identify the type of sample, technical need for sampling activity, location of samples, and the sampling requirements

Completion document:

Letter transmitting the performance expectation completion notice, copy of the sample chain of custody, and copy of the sampling datasheet.

- 62.0.24. Complete Ultrasonic Testing (UT) and air slot visual inspections of the first of three (3) DSTs by March 31, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Perform UT examination and refractory air slot visual inspection of the first of three (3) DSTs. The UT examination shall include at a minimum the primary walls and the floor of the annulus for each tank.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through Operations Acceptance.

- 62.0.25. Complete Ultrasonic Testing (UT) and air slot visual inspections of the second of three (3) DSTs by June 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Perform UT examination and refractory air slot visual inspection of the second of three (3) DSTs. The UT examination shall include at a minimum the primary walls and the floor of the annulus for each tank.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through Operations Acceptance.

- 62.0.26. Complete Ultrasonic Testing (UT) and air slot visual inspections of the third of three (3) DSTs by September 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Perform UT examination and refractory air slot visual inspection of the third of three (3) DSTs. The UT examination shall include at a minimum the primary walls and the floor of the annulus for each tank.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through Operations Acceptance.

62.0.27. Complete the first five (5) of fifteen (15) SST camera visual inspections by March 31, 2020. The Contractor shall earn 1.2% fee upon completion.

Work scope/completion criteria:

Completion of the first five (5) of fifteen (15) SST camera visual inspections.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through FWS confirmation of the videos being complete.

62.0.28. Complete the second five (5) of fifteen (15) SST camera visual inspections and submit a final report documenting the results by June 30, 2020. The Contractor shall earn 1.2% fee upon completion.

Work scope/completion criteria:

Completion of the second five (5) of fifteen (15) SST camera visual inspections.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through FWS confirmation of the videos being complete.

62.0.29. Complete third five (5) of fifteen (15) SST camera visual inspections and submit a final report documenting the results by September 30, 2020. The Contractor shall earn 1.2% fee upon completion.

Work scope/completion criteria:

Completion of the third five (5) of fifteen (15) SST camera visual inspections.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through FWS confirmation of the videos being complete.

62.0.30. Complete nine (9) DST camera visual inspections by September 30, 2020. The Contractor shall earn 2.3% fee upon completion.

Work scope/completion criteria:

Completion of all applicable DST visual inspections.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through FWS confirmation of the videos being complete.

62.0.31. Complete three (3) encasement test evolutions by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Complete three (3) encasement test evolutions and document the results in the work package and final declaration of the pass/fail status of the line. In the event that multiple transfer line encasements are tested due to their collocation, the combined testing of collocated lines will count as one (1) evolution of encasement testing.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the work package signature page approved through Operations Acceptance. In the event of test failure, the completion document is to include documentation that the line is inoperable and has been taken out of service.

62.0.32. Complete design, fabrication, and testing of the primary tank bottom Non-Destructive Examination (NDE) device by June 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Complete design, fabrication, and Factory Acceptance Testing (FAT) of the primary tank bottom NDE device.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final test report(s) approved and released through SmartPlant Foundation.

62.0.33. Complete Non-Destructive Examination (NDE) of one (1) DST primary tank bottom using a volumetric inspection system and submit final report by September 30, 2020. The Contractor shall earn 0.3% fee upon completion.

Work scope/completion criteria:

Perform NDE of one (1) DST primary tank bottom using a volumetric inspection system and submit a final report summarizing results to include all comments incorporated, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the work package signature page approved through Operations Acceptance, and a copy of the final report approved and released through SmartPlant Foundation.

62.0.34. Complete feasibility study for tank repair and submit final report documenting the results by June 30, 2020. The Contractor shall earn 0.7% fee upon completion.

Work scope/completion criteria:

Complete feasibility study for tank repair and submit final report to include all

comments incorporated, approval, and release through SmartPlant Foundation.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of the final report approved and released through SmartPlant

- 62.0.35. Complete the Independent Qualified Registered Professional Engineer (IQRPE) Integrity Assessment Report (IAR) for the 219-S waste handling facility by December 31, 2019. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Submittal of Revision 0 of the 219-S IAR to ORP to support RCRA permitting deadline of December 31, 2019 to complete the next IQRPE assessment.

Completion document:

Letter transmitting the performance expectation completion notice and a copy of Revision 0 of the 219-S IAR.

- 62.0.36. Complete five (5) grab samples by September 30, 2020. The Contractor shall earn 0.4% fee upon completion.

Work scope/completion criteria:

Completion of five (5) grab samples as described in the applicable TSAPs. The plan shall identify the type of sample, technical need for sampling activity, location of samples, and sampling requirements.

Completion document:

Letter transmitting the performance expectation completion notice, a copy of the sample chain of custody, and a copy of the sampling datasheet.

SPECIAL EMPHASIS AREAS

SPECIAL EMPHASIS AREA	VALUE	PERFORMANCE MONITOR
SEA 1: Management of Hanford Tank Farms	12.5%	Tank Farms
SEA 2: Performance of Tank Farm Project Operations – Conduct of Operations	2.5%	Tank Farms
SEA 3: Conduct of Engineering	2.5%	Engineering
SEA 4: Quality Assurance Program	2.5%	Technical and Regulatory Support
SEA 5: Nuclear Safety Program	2.5%	Technical and Regulatory Support
SEA 6: Environmental Regulatory Management	2.5%	Technical and Regulatory Support
SEA 7: Safety Program Implementation	2.5%	Technical and Regulatory Support
SEA 8: Support for DFLAW Program	7.5%	Tank Farms
SEA 9: Tank Farm Contract Transition	5.0%	Tank Farms
Total SEA Fee Available	40.0%	

**SPECIAL EMPHASIS AREAS
 OVERALL GRADES & ASSOCIATED PERCENTAGES OF EARNED FEE**

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.

Award Fee: The period of performance is October 1, 2019, through September 30, 2020. The total available fee is split between the PBIs and SEAs. At the conclusion of the 12-month evaluation period DOE will determine the award fee associated with the SEAs. ORP's evaluation of the Contractor's performance in the SEAs will be combined to an overall rating. **Failure in any of the SEAs could result in a change to the overall rating as determined by the Fee Determination Official.**

The Fee Determining Official (FDO) will determine the percent of fee earned according to the ranges in the above table, "Overall Grades & Associated Percentages of Earned Fee." The award fee dollars earned will be the product of the award fee available and the percent of award fee earned. The FDO may consider any other pertinent factors in making a final fee determination. The adjectival ratings for SEA performance are as determined in the above table.

Factors for consideration in the Contractor's performance will include, effective WRPS management at all levels, overall or specific risk reductions and Contractor efficiencies (faster, reduced costs, etc.) created or generated in the conduct of work.

To be minimally acceptable, all Contractor formal products by contract, DOE Order, regulation, procedure, plan, or DOE written direction shall be complete, accurate, and on schedule. Requirements shall clearly flow down and be transparent within the product and ensure compliance with ES&H and QA requirements.

Evidence of performance to be considered in determining an adjectival rating will include:

1. Overall quality of contractor developed products
2. Performance against agreed upon schedule dates
3. Degree of compliance with designated completion criteria
4. Periodic reviews of performance against completion criteria using lower tier measures and metrics agreed upon between Federal and Contractor program owners.

SEA 1: Management of Hanford Tank Farms

Performance Fee value is established at 12.5% of the FY 2020 fee pool

Desired Outcome:

In the execution of the contract, Contractor is expected to provide holistic, comprehensive, and effective management of all Tank Farm facilities and activities to safely, efficiently, and effectively treat tank waste and close Hanford tanks through:

1. Demonstrating safety leadership and risk-informed, conservative decision-making
2. Managing project performance, cost, schedule, risks, and issues
3. Open communication with the workforce – fostering a questioning attitude and an environment free from retribution
4. Management focus on maintenance, compliance, surveillance and integrity of the Tank Farms facility.

Areas of focus include overall contractor management of Hanford Tank Farm facilities, systems, and activities to safely, efficiently, and effectively treat tank waste and close Hanford tanks.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. ORP will evaluate the contractor's cost and schedule performance based upon actual incurred costs compared to the total estimated costs of that work and actual schedule performance as compared to the planned schedule. ORP will rely on other objective and/or subjective cost and schedule performance elements, such as critical path and float analysis, to evaluation of contractor's performance.
2. Demonstrate effective implementation of the Contractor Integrated EVM System. The contractor maintains cost control and actively pursues cost containment and reduction through innovative approaches and management of resources. Identify and implement improvements to project management tools and reports in support of performance monitoring.
3. Maintain an estimating system in compliance with contractual and DOE requirements. Incorporate enhancements or improvements to the estimating system, based on the results of external reviews or consideration of the GAO 12-Step estimating process and best practices. Periodically assess the accuracy of estimates to determine if process changes or improvements are needed.
4. Identify the risks associated with the execution of tank farm work and assess their potential impact. Ensure contractor risk register updates occur and all active risk registers

are updated in a timely manner with risks/opportunities that are realized. The effectiveness of risk management is communicated to ORP regularly.

5. Utilize project performance data and cost and schedule metrics to support sound project management decisions. Through rigorous and critical self-assessment, identify opportunities and efficiencies to improve cost/schedule performance, with a focus on safe, compliant operations, treat tank waste, and close Hanford tanks.
6. Maintain a contract compliant, resource loaded, logic-tied schedule with discrete tasks through project/activity completion, including credible and accurate critical/driving path networks that accurately portray critical work activities toward meeting Consent Decree (CD) and TPA milestones and contract requirements. Implement innovative actions to accelerate project schedules with due consideration to the overall risk profile.
7. WRPS will be evaluated on the overall administration of the contract. This will include the accuracy and timeliness of all reporting requirements, subcontract consent documentation and proposal submissions, overall compliance with terms and conditions.
8. WRPS will be evaluated on responsiveness for Rough Orders of Magnitudes (ROMs), Not to Exceeds (NTEs), and change proposals. The evaluation will include WRPS' submission of timely and, complete proposals.
9. Communicate project performance to ORP regularly; project performance can include accomplishments, EVMS data, cost/schedule variances and explanations, issues, risk mitigation actions, assessment results, performance indicators, etc. Track and report funding to align with the integrated priority list to allow for funding targets.
10. Work proactively with the ORP Communications Division to support enhanced communications with all key stakeholders.
11. Contractor is self-critical in assessment of performance, actions are implemented in a timely manner and tracked to completion, and progress towards performance objectives are measured and new actions are taken as needed to achieve target performance objectives.
12. Provide for the integration of TOC and WTP system planning and modeling, with a focus on long-term RPP mission planning, TPA milestone support, software modeling and development and near-term opportunity evaluation.

SEA 2: Performance of Tank Farm Project Operations – Conduct of Operations

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Ensure focus is maintained on overall safety and efficiency of Tank Farm project operations through improvements in Conduct of Operations and Work Control.

Areas of focus include Work Control/Procedure Development process continuous improvement, the field implementation of work instructions, general Conduct of Operations improvement.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

Proposed SEA 2 Criteria (for Conduct of Operations, Conduct of Maintenance, and Work Processes):

1. Demonstrate effective and timely response to external-identified, contractor-identified, and self-revealing issues.
2. Identify and implement continuous improvement initiatives that enhance safety, performance, and/or efficiency.
3. Effectively, apply conduct of operations principles to all activities, including, but not limited to, operating science and technology machines, operating equipment, construction, decontamination and decommissioning, dismantlement, environmental characterization and monitoring activities, waste handling, research and development, maintenance, and laboratory analysis activities.
4. Measure work schedule effectiveness and maintenance backlogs, and take appropriate action to mitigate downward trends.

SEA 3: Conduct of Engineering

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Delivery of consistent, compliant, and innovative Engineering products and technology solutions to manage the technical baseline and support the overall delivery of all aspects of TOC scope.

Areas of focus include response to emerging issues, technical rigor, innovation, system and reliability engineering, and collaboration in the areas of Process and Control Systems, Chemical Process, Tank and Pipeline Integrity, Projects, DFLAW, Design, Programs, Retrievals, and Chief Technology Office.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Support safe and compliant operations of Tank Farm facilities by providing engineering support. Communicate program compliance via self-assessments, system walk downs and demonstrate effective and timely solutions for non-compliances and other identified issues.
2. Provide innovative solutions/technologies that result in improved efficiency, safety, cyber security, and/or ALARA performance. Demonstrate solutions/technologies have been implemented and resulted in efficiencies and improvements.
3. Support long term maintenance and operation of Tank Farms facilities and systems by continuing to maintain configuration control/management of systems, preparing for obsolescence, implementing equipment reliability programs, and utilizing information gained from operations research modeling.
4. Regularly evaluate and communicate facility and system health and identify improvements or efficiencies. Demonstrate where and how improvements or efficiencies have been implemented by Operations and/or Maintenance. Actively identify additional opportunities to repeat similar improvements or efficiencies in other areas.
5. Collaborate with other organizations and DOE contractors to share lessons learned and innovative solutions and identify potential cost savings, improvements, and efficiencies for implementation at Tank Farms and the Hanford Site.

SEA 4: Quality Assurance Program

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Continued improvement of the Contractor's QA program.

Areas of Focus: Overall performance and improvement of the QA program will be judged based on the quality and timeliness of products and services produced during the reporting period and the overall effectiveness of the contractor's assurance system to completely identify, track, correct, and communicate issues. The analysis of quality performance will also give consideration to the Contractor's ability to self-identify issues (e.g., nonconforming conditions, legacy issues, emerging negative performance trends) and correct negative performance trends before significant issues occur.

Evaluation Criteria: ORP will perform both objective and subjective evaluations of the Contractor's efforts to:

1. Demonstrate use of performance measures to ensure effective and efficient QA implementation throughout the line organizations;
2. Demonstrate compliance with all QA program requirements including the ability to demonstrate compliance with contractually imposed standards throughout all supporting program plans and specific implementing procedure elements or steps;
3. Demonstrate effective QA oversight of TSCR projects design, testing, and long-lead procurement subcontractors/suppliers;
4. Demonstrate planning, scheduling, and performance of effective and rigorous QA surveillances, assessments, and audits consistent with the Contractor's graded approach, including bias-based coverage for higher consequence processes and activities;
5. Demonstrate development and implementation of enhanced procurement controls to ensure subcontractors/suppliers are fully qualified for their scope of work by pre-award evaluations, implementation audits, performance monitoring, submittal reviews, and other methods that ensure delivered items and services are fully acceptable when first received from the subcontractor/supplier;
6. Demonstrate improvements, optimization, and effective implementation of the WRPS Quality Assurance Program to include provisions to implement, optimize, and control the graded approach to quality and to establish controls governing the acceptance and use of government furnished software and software acquired from other Hanford Contractors.

SEA 5: Nuclear Safety Program

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Effectively manage the Tank Farms safety basis in compliance with 10 CFR § 830, Nuclear Safety Management.

Areas of Focus include Contract requirements, responsiveness to emerging issues and high visibility items, and identifying improvements in the Nuclear Safety Program, safety basis, and required amendments.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Completion of Planned Improvements identified in the 242-A Evaporator and Tank Farms DSA;
2. Timely declaration and management of potential inadequacies in the Safety Basis;
3. Unreviewed Safety Question process compliance with 10 CFR 830.203 and DOE Guide 424.1-1, Implementation Guide for Use in Addressing Unreviewed Safety Question Requirements;
4. Responsiveness to and management of performance and assessment areas needing attention as identified by Contractor self-assessments, ORP assessments, and external reviews; and
5. Proactive development of DSA amendments and TSCR milestones to identify and resolve challenges to safety basis review and implementation of proposed changes prior to transmittal to ORP for approval.

SEA 6: Environmental Regulatory Management

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Demonstrated improvement in environmental stewardship

Areas of Focus include Environmental Management System (EMS) and performance metrics; permitting documents and compliance to permits and licenses and environmental reporting; and the number and seriousness of any findings of noncompliance, infractions or violations, and timeframes and quality of related reporting and responses.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Establish and implement environmental performance indicators.
2. Provide on schedule and accurate input to Hanford Site environmental reports and Site-wide compliance initiatives.
3. Ensure responses to inspections are coordinated with facility operations and DOE, of high quality and on schedule.
4. Integrate DOE Sustainable Program Goals into WRPS planning and operations.
5. Coordinate environmental activities across the Tank Farms Contract allowing adequate timeframes for DOE and regulatory review.

SEA 7: Safety Program Implementation

Performance Fee value is established at 2.5% of the FY 2020 fee pool

Desired Outcome: Ensure focus is maintained on overall safety and efficiency of Tank Farm Project through improvements in Industrial Safety (IS), Industrial Health (IH), Radiological Controls (RadCon), Emergency Preparedness, and Safety Culture Programs.

Areas of Focus include Industrial Safety (IS), Industrial Health (IH), Radiological Controls (RadCon), Emergency Preparedness, and Safety Culture Programs.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Demonstrate an effective safety conscious work environment and culture through implementation of programs and dissemination of expectations in order to establish a work environment in which employees feel free to raise safety concerns to management and/or a regulator without fear of retaliation. This includes fostering a culture that rewards proactive self-identification and reporting of issues, and proactively identifying and taking action on systemic weaknesses leading to sustained continuous self-improvement. Provide accurate and timely reporting of events, injuries, and other safety related reporting criteria
2. Demonstrate compliance with applicable contractual requirements within IS, IH, RadCon, Emergency Preparedness, and Safety Culture Programs.
3. Continue safety related outreach and benchmarking activities (IS, IH, RadCon) to include sharing lessons learned and best management practices with other companies and the public, as appropriate.
4. Continue to develop, distribute, and improve safety and health communications to the workforce.
5. Strengthen radiological program performance through demonstrated initiatives in work planning, training of radiological staff, radiological oversight of work, maintaining job specific radiological work exposure goals, and demonstrated integration with other worker protection disciplines such as IH and Beryllium (Be).
6. Demonstrate effective Be-control strategies in accordance with the CBDPP and DOE-0342
7. Complete remaining PER-2014-0602/CVAP actions, and sustain progress in managing tank waste vapors.

8. Metrics are effectively used to provide an accurate picture of current performance against IS, IH, RadCon, Emergency Preparedness, and Safety Culture Goals.
9. Demonstrate self-discovery of issues in the IS, IH, RadCon, Emergency Preparedness, and Safety Culture Programs through critical self-analysis, meaningful performance monitoring, comprehensive extent of condition review, and effective risk identification and management.

SEA 8: Support for DFLAW Program

Performance Fee value is established at 7.5% of the FY 2020 fee pool

Desired Outcome: Empowered DFLAW Program Team actively aligning interfaces, eliminating process gaps, and mitigating program risks associated with pre-commissioning, hot commissioning, and operational phases.

Areas of focus DFLAW Program projects and elements resulting in the successful start-up and commissioning of DFLAW.

Evaluation criteria to measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Implementation and fostering of elements and attributes of the Hanford Operations DFLAW Program Charter; e.g. empowered leadership, communications, and expectations of a Good Contractor and Good Teammate.
2. Effective coordination of the projects that comprise the DFLAW Program
 - DFLAW Program-wide performance indicators and metrics, including cost, schedule, and integration data, to facilitate consistent measurement and understanding throughout the DFLAW Program team
 - Barrier analysis and removal initiatives strengthen program delivery and confidence.
3. Effective management of technical interfaces between the projects so that the integrated DFLAW Program is completed and operated successfully
 - Open issues or issues resulting from decisions or analyses are tracked to completion
 - Open issues are acted upon with deliberate haste
4. The DFLAW portfolio of projects operate as required without gaps or conflicts at the interfaces.
 - Identify and address technical and operational gaps and issues that will impact DFLAW operations
 - Technical risk identified, ranked and mitigation strategies deployed in a timely manner
5. Team products are fully developed with specific necessary actions and vetted recommendation.
 - Decision documents are supported by a clear and sound basis
 - Actions are clearly documented, tracked, and closed with deliberate urgency.

SEA 9: Tank Farm Contract Transition

Performance Fee value is established at 5.0% of the FY 2020 fee pool

Desired Outcome: Conduct a smooth 60-day transition of full responsibility to execute the Hanford tank farm work to the new Tank Closure Contract Contractor that maintains continuity of operations and avoids or minimizes disruptions to accomplish the DOE-ORP mission.

Areas of focus: Demonstrate that WRPS aligns with the Tank Closure Contract Request for Proposal Solicitation 89303319REM000044 scope identified in Section C Performance Work Statement. WRPS is to comply with the letter of direction 19-TF-0059 dated April 22, 2019.

Evaluation criteria: To measure performance will include ORP's subjective evaluation of the Contractor's performance based on the following:

1. Immediate engagement with the TCC upon contract award including transition meetings at least weekly with ORP and the TCC to ensure seamless transition.
2. Adherence to the WRPS Transition Plan for Tank Operations Contract to Tank Closure Contract (WRPS-1900048 R2) as updated, if necessary based on the contract transition postponement.
3. WRPS will facilitate visits to the field, offices and facilities for TCC to perform due diligence of the facilities, equipment and processes being transferred.
4. Completion of formal transfer of all equipment and waste inventories, procurement and interface agreements, subcontracts, permits, licenses, policies, plans, procedures, design and engineering media, schedules, project controls tools, risk management records, training and workforce records, and corrective action systems. (This list is not all-inclusive)
5. Transition Completion Criteria that documents transition verification checklists between ORP, WRPS and TCC that confirms all transition activities are completed to the satisfaction of each party.
6. Signed transfer agreement by WRPS and the TCC contractor; ORP will approve the Declaration of Readiness to execute the Contract.

ATTACHMENT 1 - PERFORMANCE MONITOR EVALUATION REPORT FORM

I. EVALUATION PERIOD: _____

II. DOE PERFORMANCE MONITOR:

Signature: _____ Date: _____

III. PERFORMANCE BASED INCENTIVES (PBI) EVALUATIONS:

PBI # _____ Recommended Fee Earned _____

Discussion:

IV. EVALUATION OF AWARD FEE SPECIAL EMPHASIS AREAS:

SEA # _____ Adjective Rating _____

Discussion:

Discussion summaries should describe the method used to evaluate timeliness, quality and completion of performance objectives/measures; clarifying remarks regarding the timeliness and sufficiency of the products/activities against defined performance objectives/measures; identification of significant deviations; rationale for recommended fee payment/rating (if necessary, provide computations); and mitigating factors, if any, that were considered in determining the amount of fee.

Areas to consider:

1. Contractor monthly performance indicator results including positive or negative trends.
2. Management reviews and reports including the new monthly reviews.
3. Contractor's self-assessment report.
4. DOE independent and program assessments.
5. Issues and corrective action of issue

ATTACHMENT 2 - FDO AND PERFORMANCE EVALUATION BOARD MEMBERS

FEE DETERMINATION OFFICIAL

Manager, ORP

PERFORMANCE EVALUATION BOARD MEMBERSHIP

Assistant Manager, Tank Farms Project, ORP (Chair Person)

Deputy Assistant Manager, Tank Farms Project, ORP

Assistant Manager, Technical and Regulatory Support Services, ORP

Assistant Manager, WTP Start-up and Commissioning Integration, ORP

Contracting Officer, Contracts and Property Management, ORP

**ATTACHMENT 3 - PERFORMANCE EVALUATION AND MEASUREMENT PLAN
 CHANGE REQUEST**

1. Initiator of Change Request:		2. Office Symbol:	3. Phone No:
4. Current Version of PEMP:	a. Revision No:	b. Change No:	5. Date of Request:
6. Reason for Request:			
7. Authority for Change: a. Technical Direction Letter <input type="checkbox"/> b. Contracting Officer Letter <input type="checkbox"/> c. Baseline Change Proposal <input type="checkbox"/> d. Other <input type="checkbox"/>		e. Explain reason for change here, if necessary: (required for Other)	
8. Section No. in PEMP of Change:			
9. Exact Wording: (rewrite the section with changes identified)			
10. Request Disposition: a. Accepted, Change Implemented <input type="checkbox"/> b. Accepted with Changes <input type="checkbox"/> c. Rejected <input type="checkbox"/> d. Other <input type="checkbox"/>		11. Comments: (including changes made, rejection reason, or other)	
12. Approved By:	13. Effective Date:	14. New PEMP Rev No/Change No.:	
		a. Rev No:	b. Change No.: