

ATTACHMENT J.4

PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP)

Fiscal Year 2017

**Performance Evaluation and Measurement Plan
For
CH2MHill Plateau Remediation Company**

Performance Period:
October 1, 2016, through September 30, 2017

TABLE OF CONTENTS

PERFORMANCE EVALUATION AND MEASUREMENT PLAN DESCRIPTIONJ 4-4
PERFORMANCE EVALUATION BOARD ORGANIZATIONJ 4-7
FISCAL YEAR 2017 PERFORMANCE BASED INCENTIVESJ 4-8

PLATEAU REMEDIATION CONTRACT PERFORMANCE EVALUATION AND MEASUREMENT PLAN DESCRIPTION

The Performance Evaluation and Measurement Plan (PEMP) details the administration of performance incentives and allocation of Total Available Fee as defined in Section B, Supplies or Services and Prices/Costs. Please note that "PEMP" is synonymous with the term "Award Fee Plan" found in FAR 16.401(e)(3). Performance incentives may be either objective or subjective. The PEMP is the basis for the evaluation of the contractor's performance and for presenting an assessment of that performance to the Fee Determining Official (FDO). It describes specific criteria and procedures used to assess the contractor's performance and to determine the amount of fee earned. Actual award fee determinations and the methodology for determining fee are unilateral decisions made solely at the discretion of the Government.

1. ORGANIZATION

The award fee organization consists of: the FDO; a Performance Evaluation Board (PEB) which consists of a chairperson, the contracting officer, a recorder, other functional area participants, and advisor members; and the Contracting Officer Representative (COR).

2. RESPONSIBILITIES

- a. Fee Determining Official. The FDO approves the PEMP and any significant changes. The FDO reviews the recommendation(s) of the PEB, considers all pertinent data, and determines the earned award fee amount for the evaluation period.
- b. Performance Evaluation Board. For the purpose of this PEMP, designated RL senior managers and Contracting Officer (CO) are chartered with recommending CHPRC earned fee to the FDO. PEB members review COR evaluations of the contractor's performance, consider information from pertinent sources, prepare performance reports, and arrive at an earned fee recommendation. The PEB has the following roles and responsibilities:
 - Accountable for final selection and approval of performance incentives;
 - Responsible to assign performance monitors to evaluate completion of performance measures;
 - Provides input, reviews, and concurs on the PEMP;
 - Responsible for addressing any HQ comments concerning PEMP or Award Fee Determination;
 - Reviews CHPRC performance at the end of the evaluation period and upon completion of key milestones;
 - Evaluates CHPRC performance and recommends earned fee to the FDO.
- c. The CO is the liaison between contractor and Government personnel and shall ensure the incentive process is properly administered in accordance with agency regulations. The CO shall also modify the contract in regards to any contractual issues that may arise during the term of the contract.
- d. The COR maintains written records of the contractor's performance in their assigned evaluation area(s) so that a fair and accurate evaluation is obtained. Prepare interim and end-of-period evaluation reports as directed by the PEB.

3. PERFORMANCE MEASURES (PM)

Each performance measure will set forth the specific requirements, criteria and/or specifications for acceptable performance of an outcome and the amount of fee assigned to the individual performance measure. A performance measure may be either subjective or objective.

The fiscal year (FY) 2017 performance measures are found on pages J.4-8 through J.4-21. A subsequent Award Fee Plan will be issued for FY2018.

4. ALLOCATION OF AVAILABLE FEE

DOE may or may not heavily weight the assignment of fee toward meeting production goals such as treatment of waste and end-product goals, such as completion of remediation projects.

5. PERFORMANCE MEASURE FEE STRUCTURE METHODS

Each performance measure may have a distinct fee structure to incentivize maximum performance and resource utilization by the Contractor. Individual performance measures may require the contractor to exceed approved baseline performance to earn 100 percent (%) of the fee allocated to that performance measure. DOE is not limited to the following list of Fee Structure Methods and may combine elements of multiple fee structures. Regardless of the Fee Structure Method used, payment of fee is subject to the fee reduction terms of this Contract, and FDO approval that the Contractor has achieved the stated outcome for the specific performance measure.

- a. Declining Method: This method provides 100% incremental fee for completion of the performance measure by a specific date and/or milestone, but the percentage is reduced incrementally beyond that event. The specific percentage of reduction and corresponding time or specific milestones triggering the reductions are defined within the performance measure.
 - b. Terminal Method: This method provides 100% incremental fee (which will not be awarded until final fee determination), for completion of the performance measure prior to a specific date and/or milestone; however, the Contractor will forfeit 100% 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.
 - c. Performance Measure Provisional Dependent Method: This method will no longer be used. Provisional Fee, if specifically allowed by the contracting officer, is discussed in Section B, Clause B.8, Fee Determination and Payment.
 - d. Subjective Method: This method provides the Contractor the opportunity to earn up to 100% fee for performance of Contract requirements based on subjective criteria as determined by DOE.
6. Contract work requirements by Contract Line Item Number (CLIN) are discussed in Section B, Clause B.2 "Items Being Acquired." Contract work requirements by CLIN may become fee-bearing via Performance Measures, consistent with Section B, Clause B.7, Fee Structure. Any features of the Offeror's proposed strategy and approach may be implemented as first- and subsequent-year performance measures.

7. In accordance with the Section B, Clause B.5, Changes to Contract Cost and Contract Fee, if for any reason the CO does not authorize work in accordance with the Section B, Clause B.14, DOE Authorization of Work, the Total Available Fee as a percentage of Total Contract Cost by Contract period, excluding non-fee bearing costs identified in the Section B, Clause B.6, Basis for Total Available Fee, may be adjusted.
8. Cost control in work performance is of the utmost importance to the Government. The Contractor's performance within the Contract Cost, as stipulated in Section B, Table B.4-1, Contract Cost and Contract Fee, for the performance evaluation period shall be determined by the Government. To the extent the Contractor fails to complete work within the stipulated Contract Price, the FDO may reduce in whole or in part any otherwise earned fee, subject to the limitations of Section B, Clause B.12, DEAR 970.5215-3, Conditional Payment of Fee, Profit, and Other Incentives – Facility Management Contracts.
9. Payments of Incremental Fee shall be requested in accordance with Section B, Clause B.8, Fee Determination and Payment, paragraph (c).
10. If a Performance Objective is not completed as specified, allocated Available Fee is unavailable in accordance with Section B, Clause B.7, Fee Structure, paragraph (b)(1).
11. Any Government Furnished Services and Information (GFS/I) for Performance Objectives are included in Section J, Attachment J.12, Government Furnished Services and Information (GFS/I).

PERFORMANCE EVALUATION BOARD ORGANIZATION

Fee Determining Official: RL Manager

Performance Evaluation Board Chairperson: Assistant Manager for River and Plateau

Staff:

Deputy Assistant Manager for River and Plateau (Designated as the primary COR)

Federal Project Directors (Designated as CORs)

Procurement Director

Contracting Officer

Contract Specialist

Legal Advisor

FISCAL YEAR 2017 PERFORMANCE BASED INCENTIVES

Introduction:

The purpose of this award fee plan is to specifically account for the available award fee for FY2017 and to identify the associated performance measures (PM). An additional Award Fee Plans shall be issued for FY2018. The award fee plan contains three categories of performance measures:

1. Subjective Performance Measure
2. Objective Performance Measures
3. The Plutonium Finishing Plant (PFP) Multi-Year Performance Measure (PM-11-1)

Summary of Available FY2017 Award Fee:

| Performance Measure Identifier | Performance Measure Description | FY2017 Allocation | FY2018 Allocation |
|--------------------------------|--|--------------------|-------------------|
| PM-00-1-17 | Subjective Performance Measure. | \$3,000,000 | |
| | Subtotal | \$3,000,000 | \$0 |
| PM-12-1-17 | Receipt of increments of Sludge Transport and Storage Container (STSC) Assemblies production run #1 (Vessels 2-13). | \$150,000 | |
| PM-12-2-17 | Complete installation of sludge transfer equipment (M-016-177) and initiate KW Basin/Annex pre-operational acceptance test (KPAT). | \$1,400,000 | |
| PM-12-3-17 | Implement approved integrated KW Basin Documented Safety Analysis (DSA)/Technical Safety Requirements (TSR). | \$150,000 | |
| PM-12-4-17 | Complete T Plant facility modifications for sludge storage. | \$400,000 | |
| | PBS 12 Subtotal | \$2,100,000 | |
| PM-13-1-17 | Solid and Liquid Waste Treatment and Disposal: Maintain efficient, and compliant operations and management activities. | \$700,000 | |
| PM-13-2-17 | Solid and Liquid Waste Treatment and Disposal: Repackage 280 m3 of Transuranic Mixed (TRUM) waste or Mixed Low Level Waste (MLLW). | \$700,000 | |
| PM-13-3-17 | Solid and Liquid Waste Treatment and Disposal: TPA milestone change request for capabilities for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers. | \$350,000 | |
| PM-13-4-17 | Solid and Liquid Waste Treatment and Disposal: Critical Decision 1 document package for Management of the Cesium and Strontium Capsules Project (W-135). | \$800,000 | |
| PM-13-5-17 | Submit a Hanford Site Waste Flow Optimization Plan for Environmental Restoration Disposal Facility (ERDF) and Perma-Fix Northwest (PFNW). | \$250,000 | |
| PM-13-6-17 | Complete FY2017 audits of all transuranic waste generators and implement required TRU waste program upgrades from the new WIPP Waste Acceptance Criteria (WAC). | \$250,000 | |
| | PBS 13 Subtotal | \$3,050,000 | \$0 |

| Performance Measure Identifier | Performance Measure Description | FY2017 Allocation | FY2018 Allocation |
|--------------------------------|---|---------------------|--------------------|
| PM-30-1-17 | Maximize plume containment and remediation utilization. | \$1,350,000 | |
| PM-30-2-17 | Complete stage B uranium sequestration injections at the 300 Area. | \$200,000 | |
| PM-30-3-17/18 (Multi-Year) | Determine if additional deep vadose zone treatability studies are necessary to complete the 200-DV-1 OU RI/FS. | \$200,000 | \$1,700,000 |
| PM-30-4-17/18 (Multi-Year) | Define nature and extent of the 200-UP-1 OU chromium plume that is above drinking water standards to complete the remedial design investigation. | \$200,000 | \$350,000 |
| PM-30-5-17 | Prepare and submit Draft A 100-D/H Remedial Design/Remedial Action Work Plan to RL. | \$100,000 | |
| PM-30-6-17 | Prepare and submit 100-B/C Proposed Plan Rev. 0. | \$50,000 | |
| PBS 30 Subtotal | | \$2,100,000 | \$2,050,000 |
| PM-40-1-17 | Soil and Facility Remediation/Disposition: Maintain compliant, efficient, minimum safe surveillance and maintenance services for the Central Plateau. | \$150,000 | |
| PM-40-2-17 | Soil and Facility Remediation/Disposition: Complete REDOX roof construction. | \$100,000 | |
| PM-40-3-17 | REDOX interior cleanout/workforce transition. | \$400,000 | |
| PM-40-4-17 | Excess facilities initiative (217B, 2716B, 292B). | \$150,000 | |
| PM-40-5-17 | Soil and Facility Remediation/Disposition: Submit 224B RAWP. | \$25,000 | |
| PM 40 Subtotal | | \$825,000 | \$0 |
| Total Allocated Fee | | \$11,075,000 | \$2,050,000 |
| PM-11-1 | Demolish PFP Complex Facilities (Multi-Year). | See PM | |
| | | | |

**PERFORMANCE MEASURE
PM-00-1-17**

Allocated Available Fee: \$3,000,000

Objective:

This Performance Measure provides management focus on overall technical and cost performance. DOE will evaluate the Contractor's performance based upon subjective performance elements; objective performance elements, or both, which includes, but is not limited to:

- An analysis of variances between the Contractor's actual incurred costs and the estimated costs of authorized work (e.g., changed programmatic requirements, changed statutory requirements, and/or changes beyond the Contractor's control);
- An assessment of alignment between the Contractor's performance measurement baseline and the contract;
- Verification of Earned Value Management System data;
- Management of risks as demonstrated by how well the Contractor projects, reports and mitigates cost and schedule impacts to authorized work activities;
- Quality and timeliness of key documents submitted (e.g., contract change proposals, regulatory documents);
- Effectiveness of Contractor's business systems (e.g., purchasing, accounting, internal audit, estimating, property);
- Balanced Score Card Metrics;
- The contractor has implemented an effective Contractor Assurance System, with emphasis on performance of rigorous, risk-informed, and credible self-assessment and feedback and improvement activities; Corrective Action/Issues Management quality and timeliness; Institutionalization of performance metrics and targets developed to assess the effectiveness of performance of key functional areas and stakeholder concerns;
- Safe and compliant work execution;
- Demonstrate active leadership and progress towards obtaining new Resource Conservation and Recovery Act (RCRA) Permit for the Hanford Site.
- Integration With Other Hanford Contractors – initiate and provide effective participation in business case analyses and other cross-contractor activities leading to optimal utilization of RL resources (facilities, equipment, material and services) across all Hanford Contractors. Performance Measures for subsequent fiscal years will be developed as part of the annual PEMP update to identify specific management/business system performance objectives needed during the remainder of contract period of performance;
- An assessment of the quality of any "plan," "report" or other written document that is part of, or submitted under, any of the performance measures included in this award fee plan, i.e. Performance Measures PM-00-1-17 through PM-41-4-17; and
- Effective contractor human resources management.

Completion Rating Criteria:

The following will be used to rate CHPRC performance against this performance measure: Adjectival Ratings, and the associated Percentage of Allocated Fee Available to be Earned and Performance Level Description are:

- 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.

By the 30th calendar day following the end of the fiscal year, as its input to this Performance Measure, CHPRC shall provide a critical assessment of its progress in safely and compliantly performing contract scope of work and meeting contract deliverables within cost and on schedule as described. CHPRC shall identify issues potentially affecting the completion of contract scope of work and associated objectives within cost and on schedule. CHPRC shall identify actions taken or planned to be taken to resolve those issues. CHPRC's critical self-assessment shall propose and justify the amount of fee earned against this Performance Measure and include a discussion of fee reductions warranted by any achievement or failure to meet performance objectives. In the event the contractor self-discloses an issue potentially affecting the completion of contract scope of work and appropriately self-corrects the situation in a timely manner, fee reduction may be waived by the Fee Determining Official.

PERFORMANCE MEASURE PM-12-1-17

Allocated Available Fee: \$150,000

Objective:

Receipt of complete NQA-1 certified Sludge Transport Storage Containers (STSC) #2-13 (production run #1). This measures the fabrication and receipt of the STSC assemblies needed to transfer the sludge from the engineered containers in the 105KW Basin to storage at T-Plant. The STSC assemblies are Safety Significant components and, therefore have rigorous engineering, procurement, fabrication, quality assurance and associated requirements.

Completion Criteria:

Submit to RL final source and receipt inspection NQA-1 documentation for STSC vessels #2-13 by September 30, 2017.

**PERFORMANCE MEASURE
PM-12-2-17**

Allocated Available Fee: \$1,400,000

Objective:

Complete the installation of Engineered Container Retrieval and Transfer System (ECRTS) sludge transfer equipment in the 105-KW Basin and Annex to meet the TPA milestone M-016-177, due September 30, 2017, and initiate KW Basin Pre-Operations Acceptance Testing (KPAT).

Completion Criteria:

Complete In-Basin/Annex ECRTS equipment installation and construction acceptance testing with defined punchlist items by September 30, 2017. Issue KPAT test specification and test procedure, complete test procedure prerequisites and initiate procedure work steps. Specific pieces of equipment required to meet this PM:

1. KWest Basin:
 - a) Ingress-egress Assembly
 - b) Booster pump skid
 - c) XAGO pump skid
 - d) In-basin Flocculant Addition Skid
2. KWest Sludge Transfer Annex:
 - a) Transfer Line Service Box
 - b) Decant Pump Box
 - c) Sand Filter
 - d) Annex Flocculant Skid

**PERFORMANCE MEASURE
PM-12-3-17**

Allocated Available Fee: \$150,000

Objective:

Implement the Integrated DSA for the K West Basin, PRC-STP-00946, 105 KW Basin Documented Safety Analysis (DSA), Rev. 0 by September 30, 2017.

Completion Criteria:

Complete Safety Basis Implementation Plan.

Conduct Implementation Validation Review (IVR) of DSA/Technical Safety Requirements (TSR) to ensure that:

- the DSA/TSR controls and requirements are incorporated in appropriate facility documents and work instructions.

- facility/project personnel are knowledgeable of DSA/TSR controls and requirements.
- DSA/TSR controls and requirements are ready to be implemented.

Issue IVR report and submit to RL.

**PERFORMANCE MEASURE
PM-12-4-17**

Allocated Available Fee: \$400,000

Objective:

Complete T Plant facility modifications to allow receipt and storage of twenty-six (26) Sludge Transport and Storage Containers (STSC).

Completion Criteria:

By September 30, 2017, complete installation of cell leveling frames, secondary containment and leak detection equipment, water addition system, and nitrogen purge system. Perform construction acceptance testing and approve the construction completion document.

**PERFORMANCE MEASURE
PM-13-1-17**

Allocated Available Fee: \$700,000

Objective:

Maintain efficient, and compliant operations and management activities as required to support plateau remediation.

Completion Criteria:

By September 30, 2017, the Contractor shall complete a total of 1,080 preventative maintenance activities for assigned facilities. The preventative maintenance activities reflected in the PM are the known, planned activities to keep the project in a safe, compliant condition.

**PERFORMANCE MEASURE
PM-13-2-17**

Allocated Available Fee: \$700,000

Objective:

Repackage 280 m³ of TRU Mixed (TRUM) waste or Mixed Low Level Waste (MLLW) beginning October 1, 2016.

Completion Criteria:

Completion of TPA Milestone M-091-47C. By September 30, 2017, the Contractor shall repackage 280 m-3 of TRU or MLLW as follows:

- Volume is based on the volume of the container prior to repackaging.
- TRUM waste will be repackaged into WIPP acceptable/certifiable packages, 55-gallon drums, or standard waste boxes.
- TRUM waste will be repackaged to meet WIPP Waste Acceptance Criteria dated July 5, 2016, and HNF-EP-0063, *Hanford Site Solid Waste Acceptance Criteria*.
- MLLW will be treated and packaged as required to meet waste acceptance criteria for disposal.

**PERFORMANCE MEASURE
PM-13-3-17**

Allocated Available Fee: \$350,000

Objective:

Submit TPA milestone change request for acquisition of capabilities necessary for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers.

Completion Criteria:

Completion of TPA Milestone M-091-52. By September 30, 2017, the contractor shall submit to RL a TPA milestone change request with target dates as shown below. Each will be supported by preparation of rough order of magnitude cost estimates and schedules for the capabilities, if identified, and provided to RL by September 30, 2017, such that TPA milestones M-091-48 and M-091-49 can be met with reasonable confidence, unless alternative approaches are recommended instead.

- Identification of new capabilities for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers.
- Identification of new facilities for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers.
- Identification of modifications of existing facilities for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers.
- Identification of modifications of planned facilities for retrieval, designation, storage and treatment/processing prior to disposal of RH TRUM waste and TRUM waste in large containers.
- Preparation and submission to RL by September 30, 2017, of summary rough order of magnitude cost estimate and integrated schedule for new capabilities, new facilities, modifications of existing facilities, and modifications of planned facilities.

**PERFORMANCE MEASURE
PM-13-4-17**

Allocated Available Fee: \$800,000

Objective:

Submit to RL the Critical Decision 1 (CD-1) package for Management of the Cesium and Strontium Capsules Project (W-135).

Completion Criteria:

By September 30, 2017, the contractor shall prepare the CD-1 package and submit to RL for review and approval. The decision package shall meet all requirements in DOE Order 413.3B (change 2), *Program and Project Management for the Acquisition of Capital Assets*, excluding DOE approvals at time of submittal.

**PERFORMANCE MEASURE
PM-13-5-17**

Allocated Available Fee: \$250,000

Objective:

Submit a Hanford Site Waste Flow Optimization Plan for Environmental Restoration Disposal Facility (ERDF) and Perma-Fix Northwest (PFNW).

Completion Criteria:

Prepare Hanford Site Waste Flow Optimization Plan/Plans by December 31, 2016, for ERDF and PFNW that ensures sufficient waste flows to ERDF for the most efficient operations, maintains acceptable waste shipments to PFNW for most efficient operations, while considering expected waste shipments from PFP and other Hanford site waste generators.

**PERFORMANCE MEASURE
PM-13-6-17**

Allocated Available Fee: \$250,000

Objective:

Complete FY2017 audits of all transuranic waste generators and implement required TRU program upgrades from the new WIPP WAC as applicable.

Completion Criteria:

Perform an assessment of the Hanford transuranic (TRU) waste program that addresses at a minimum:

- Opportunities for Improvement identified in DWF&RS-2015-MA-15883, *Evaluation of Hanford TRU Generation Activities*;
- Evaluate and assess the impact of all Hanford generators that provide input to Hanford TRU waste streams;
- Assess the impact to the Hanford Program of Memorandum, Todd Shrader to Distribution, "WIPP Certified Program Notification—Discontinue WIPP TRU Waste Container Certifications until a Recertification Decision is Issued," dated June 29, 2016, (Rev. 8 to WIPP-WAC) including current:
 - Certified containers
 - Certifiable containers
 - Future repacking operations (including near-term).

Prepare and implement upgrades to site TRU waste program required by the new (Rev. 8) WIPP Waste Acceptance Criteria (WAC), including the Hanford Solid Waste Acceptance Criteria, and the results of the above assessment. All actions shall be completed by September 30, 2017.

**PERFORMANCE MEASURE
PM-30-1-17**

Allocated Available Fee: \$1,350,000

Objective:

Maximize plume containment and remediation utilization.

- Fiscal Year Contamination removal
- Full treatment capacity utilization
- Remediation optimization

Completion Criteria:

Performance will be evaluated based upon the latest version of the RL approved plume containment and remediation utilization plan. By September 30th of each fiscal year (or otherwise stated in the plan), complete the plume containment and remediation utilization action plan activities that are funded. Provide documentation substantiating completion of these activities within 30 days after the end of the fiscal year. Submit a draft plan by June 10th of each fiscal year that provides similar technical basis as above to maximize plume containment and remediation utilization for the following fiscal year.

**PERFORMANCE MEASURE
PM-30-2-17**

Allocated Available Fee: \$200,000

Objective:

Complete Stage B Uranium Sequestration injections at the 300 Area.

Completion Criteria:

By September 30, 2017, complete injections during the optimal declining river stage period to meet the engineering parameters to achieve optimal sequestration performance.

**PERFORMANCE MEASURE
PM-30-3-17/18 (Multi-Year)**

**Allocated Available Fee for FY2017: \$200,000
Allocated Available Fee for FY2018: \$1,700,000**

Objective:

Determine if additional deep vadose zone treatability studies are necessary to complete the 200-DV-1 OU RI/FS.

Completion Criteria:

- a. Complete the treatability studies as identified in DOE/RL-2007-56 Rev 0. by September 30, 2018. Fee assigned to this element is \$550,000.
- b. Revise the 200-DV-1 Sampling Analysis Plan (SAP) to address data gaps such as shallow characterization, monitored natural attenuation (MNA), and leaching studies through applying the DQO process by March 31, 2017. Fee assigned to this element is \$200,000.
- c. Complete 200-DV-1 characterization per the revised SAP by September 30, 2018. Fee assigned to this element is \$900,000.
- d. Perform evaluation on treatability studies and characterization in order to provide a data gap analysis resulting in a recommendation for additional deep vadose zone treatability studies for the 200-DV-1 OU. Evaluation and recommendation is to be documented in a report by September 15, 2018. Fee assigned to this element is \$250,000.

**PERFORMANCE MEASURE
PM-30-4-17/18 (Multi-Year)**

**Allocated Available Fee for FY2017: \$200,000
Allocated Available Fee for FY2018: \$350,000**

Objective:

Define nature and extent of the 200-UP-1 OU chromium plume that is above drinking water standards to complete the remedial design investigation.

Completion Criteria:

- a. Complete well drilling of six wells by March 31, 2017. Provide completion package containing well head pictures, well designs including calculations, well development and testing data sheets, well construction summary reports, well summary reports with screen interval basis, and QA summary reports. Fee assigned to this element is \$200,000.

- b. Complete remainder of well drilling necessary to define nature and extent of the chromium plume by December 31, 2017. Provide completion package containing well head pictures, well designs (including calculations), well development and testing data sheets, well construction summary reports, well summary reports with screen interval basis, and QA summary reports. Fee assigned to this element is \$100,000 (FY18).
- c. Complete one year of sampling and monitoring on the six wells addressed in item a. by March 31, 2018. Fee assigned to this element is \$50,000 (FY18).
- d. Prepare and submit Draft A of the Remedial Design Investigation Report by September 30, 2018. Fee assigned to this element is \$200,000 (FY18).

**PERFORMANCE MEASURE
PM-30-5-17**

Allocated Available Fee: \$100,000

Objective:

Prepare and submit Draft A 100-D/H Remedial Design/Remedial Action Work Plan to RL.

Completion Criteria:

Submit Draft A 100-D/H Remedial Design/Remedial Action Work Plan to RL within 180 days of issuance of the final Record of Decision.

**PERFORMANCE MEASURE
PM-30-6-17**

Allocated Available Fee: \$50,000

Objective:

Prepare and submit 100-B/C Proposed Plan Rev. 0.

Completion Criteria:

Complete 100-B/C Proposed Plan Rev. 0 and submit to RL by September 30, 2017.

**PERFORMANCE MEASURE
PM-40-1-17**

Allocated Available Fee: \$150,000

Objective:

Maintain compliant, efficient, minimum safe surveillance and maintenance services for the Central Plateau.

Completion Criteria:

By September 30, 2017, the Contractor shall complete 400 preventive maintenance activities for assigned facilities. The preventive maintenance activities reflected herein are known, and are planned in order to keep the project in a safe, compliant condition.

**PERFORMANCE MEASURE
PM-40-2-17**

Allocated Available Fee: \$100,000

Objective:

Complete REDOX roof replacement construction.

Completion Criteria:

By July 31, 2017, the Contractor shall complete installation of the replacement REDOX roof per the approved final design.

**PERFORMANCE MEASURE
PM-40-3-17**

Allocated Available Fee: \$400,000

Objective:

Soil and Facility Remediation/Disposition: REDOX Interior Cleanout/Workforce Transition.

Completion Criteria:

By April 30, 2017, the Contractor shall develop and submit to RL a SAP for the REDOX Silo and REDOX North Sample Gallery areas of the REDOX Canyon Facility.

By September 30, 2017, the Contractor will obtain characterization samples and complete analysis of the REDOX Silo (3 of 8 floors) and the North Sample Gallery areas of REDOX Canyon Facility. Remove 11 tons of legacy waste/asbestos from REDOX facility boundary and dispose of at ERDF.

**PERFORMANCE MEASURE
PM-40-4-17**

Allocated Available Fee: \$150,000

Objective:

Demolish and dispose of B Plant ancillary buildings: 217B and 292B, per the issued General Hanford Site Decommissioning Activities EE/CA Action Memorandum and the approved

Removal Action Work Plan (RAWP) by September 30, 2017. In addition, demolish and dispose of 2716B per the issued Tier 2 Action Memorandum and an approved RAWP for the B Plant Complex Tier 2 Buildings/Structures.

Completion Criteria:

By September 30, 2017, General Hanford Site Decommissioning Activities or Tier 2 Action Memorandum/RAWP, as applicable have been met; verification completion packages have been entered into the AR; and Facility Status Change Forms have been accepted/approved by RL.

**PERFORMANCE MEASURE
PM-40-5-17**

Allocated Available Fee: \$25,000

Objective:

Submit 224B Plutonium Concentration Facility RAWP which supports implementation of the approved Action Memorandum for 224B (DOE/RL-2004-36).

224B Facility was used to purify and concentrate diluted plutonium nitrate solution that was the product of the 221B (B Plant Complex) bismuth-phosphate process. This supports TPA Milestone M-085-72.

Completion Criteria:

By September 30, 2017, submit to RL the Decisional Draft of the 224B RAWP.

**PERFORMANCE MEASURE
PM-11-1**

**PLUTONIUM FINISHING PLANT (PFP) MULTI-YEAR PERFORMANCE MEASURE
(Identified as PM-11-02.1A in the Base Period PEMP)**

Introduction:

The base period Performance Evaluation Measurement Plans were published in multiple year formats, while this FY2017 PEMP is written for one year only. Accordingly, since the PFP incentive is effective during both the base and option periods of performance, it will be included in the PEMP for each fiscal year of the option period. This FY2017 PEMP does not change incentive no. PM-11-02.1A that was published in Modification 249 dated November 30, 2012, nor does it change the modification of provisional fee that was addressed in letter no. 13-AMRP-0227 dated June 24, 2013.

Note that RL allocated the available fee (\$51,057,421) across the first five years of the contract for convenience (see Section B, Table B.4-1). The fee is available until the incentive ends. Note that Modification 249 changed the maximum earning date to September 30, 2014.

Allocated Available Fee: \$51,057,421

Objective:

Demolish Plutonium Finishing Plant (PFP) complex facilities to slab-on-grade and stabilize the site for surveillance and maintenance.

Complete demolition of PFP facilities to slab-on-grade and stabilize the site for surveillance and maintenance. Fee is reduced in a linear declining method from \$51,057,421 to \$43,450,000 for each day from January 9, 2015, to June 30, 2016; and fee is then reduced in a linear declining method from \$43,350,000 to \$30,000,000 for each day from June 30, 2016, to May 31, 2018; and finally fee is reduced in a linear declining method from \$30,000,000 to \$12,000,000 for each day from May 31, 2018, to September 30, 2018.

The linear declining method is defined in the following table:

| | Date | Available Fee | Fee Reduction | Days | Reduction/Day |
|------------------------------------|-----------|---------------|----------------|------|---------------|
| Start of Curve (after 100 day adj) | 1/9/2015 | \$51,057,421 | | | |
| | | | \$ (7,607,421) | 538 | \$ (14,140) |
| Step 1 of Curve | 6/30/2016 | \$43,450,000 | | | |
| | | | \$(13,450,000) | 700 | \$ (19,214) |
| Step 2 of Curve | 5/31/2018 | \$30,000,000 | | | |
| | | | \$(18,000,000) | 122 | \$(147,541) |
| End of Curve | 9/30/2018 | \$12,000,000 | | | |

Any portion of Provisional Fee, as defined by Clause B.7, Fee Structure, paragraph (b)(3), may become earned through a final fee determination as defined by Clause B.8, Fee Determination and Payment, paragraph (d). Conversion of fee from Provisional to earned is at the unilateral discretion of the Fee Determining Official. On an annual basis no more than \$3,000,000 in Provisional Fee may be converted to earned fee at the final fee determination, as defined by Clause B.8, Fee Determination and Payment, paragraph (d). Allocated Available Fee not earned at the end of the multi-year performance period is unavailable in accordance with Clause B.7, Fee Structure, paragraph (b)(2).

Completion Criteria:

- Complete execution of Alternative 4 in approved EECA DOE/RL/2005-13.
- Achieve the PFP Complex slab-on-grade end point criteria in HNF-22401.
- Handle, package, label, store, and ship waste (e.g., low-level, low-level mixed, TRU/TRU mixed wastes) out of the PFP facilities for treatment or disposal. Waste shipments completed in accordance with the Hanford waste shipping criteria, other waste site criteria, and in compliance with applicable state and federal regulations for treatment and disposal at an approved facility.
- Complete turnover of the PFP site for surveillance and maintenance.

Note: See Modification 313, dated January 30, 2014, for the distribution of the available fee (\$51,057,421) among the provisional installments for disposition of systems, equipment and facilities.