**PART III - LIST OF DOCUMENTS, EXHIBITS,**

**AND OTHER ATTACHMENTS**

**SECTION J**

**LIST OF ATTACHMENTS**

**Table of Contents**

**ATTACHMENT 1: DOE DIRECTIVES APPLICABLE TO THE 222-S LAB ..... 2**
**ATTACHMENT 2: 222-S LABORATORY DOCUMENTED SAFETY ANALYSIS ..... 5**
**ATTACHMENT 3 APPLICATIONS, PERMITS, AND NOTICES OF CONSTRUCTION ..... 6**
**ATTACHMENT 4: WASHINGTON DEPARTMENT OF LABOR WAGE DETERMINATION ..... 7**
**ATTACHMENT 5: HANFORD SITE SERVICES AND INTERFACE REQUIREMENTS MATRIX …….9**
**ATTACHMENT 6: ADVANCED AGREEMENT – PROCEDURES FOR CHARGING COSTS RELATED TO WORKFORCE RESTRUCTURING …….98**
**ATTACHMENT 7: PERFORMANCE EVALUATION AND MEASUREMENT PLAN……..101**

## ATTACHMENT 1: DOE DIRECTIVES APPLICABLE TO THE 222-S LAB

The DOE Directives found in the following listing are the "List of Applicable Directives" and "List B" as those terms are used in paragraph (b) of Section I Clause, Laws, Regulations, and DOE Directives. The Contractor shall follow the established exemption process to obtain relief from requirements of these regulations where applicable.

It is anticipated during the performance of this contract, the conditions for applicability of certain DOE Directive may no longer exist. In any such situation where the Contractor seeks relief from the requirements of such DOE Directives, the Contractor may notify the Contracting Officer in writing explaining the reasons for its belief the DOE Directives no longer apply to contract performance. The Contracting Officer may determine the conditions for applicability of a DOE Directive still exist, and may direct the Contractor to continue compliance with the DOE Directive. Additional, even without such direction by the Contracting Officer, if the conditions for applicability of a DOE Directive once again arise, the DOE Directive will immediately become applicable once again.

List B: Applicable DOE Directives

The following is an all-inclusive list of applicable DOE directives.

*Those directives marked "Supplement," are DOEL-RL CRDs that are in addition to the DOE-HQ CRDs. The Section B clarification and Section C supplemental requirements apply in addition to the HQ CRDs. Any specific clarifications or requirements do not apply unless otherwise notes.

| Order Number/Changes | Title |
|---|---|
| DOE O 130.1 CRD | Budget Formulation |
| DOE M 140.1-1B, CRD | Interface with the Defense Nuclear Facilities Safety Board |
| DOE O 142.1, CRD | Classified Visits Involving Foreign Nationals |
| DOE O 142.2A, CRD | Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency |
| DOE M 142.2-1 | Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency |
| DOE O 142.3 A | Unclassified Foreign Visits and Assignments Program |
| DOE O 150.1 CRD | Continuity Programs |

| Order Number/Changes | Title |
|---|---|
| DOE O 151.1C CRD | Comprehensive Emergency Management System<br>Attachment 2, CRD<br>· Item 2<br>· Item 5<br>· Item 6<br>· Item 7<br>· Item 9<br>· Item 10<br>· Item 11<br>· Item 13<br>· Item 14<br>· Item 15 |
| | |
| DOE O 200.1A CRD | Information Technology Management |
| DOE O 205.1A CRD | Department of Energy Cyber Security Management |
| DOE O 206.1 CRD | Department of Energy Privacy Program |
| DOE N 206.4 | Personal Identity Verification |
| DOE N 206.5 | Response and Notification Procedures for Data Breaches Involving Personally Identifiable Information |
| DOE O 210.2A CRD | DOE Corporate Operating Experience Program |
| DOE O 221.1A CRD | Reporting Fraud, Waste, and Abuse to the Office of Inspector General |
| DOE O 221.2A CRD | Cooperation with the Office of Inspector General |
| DOE O 225.1B, CRD | Accident Investigations |
| DOE O 226.1B | Implementation of DOE Oversight Policy |
| DOE O 231.1B, CRD | Environment, Safety, and Health Reporting |
| DOE O 232.2, CRD | Occurrence Reporting and Processing of Operations Information |
| DOE O 241.1B, CRD | Scientific and Technical Information Management |
| DOE O 243.1 CRD | Records Management Program |
| DOE O 243.2 CRD | Vital Records |
| DOE O 350.1, Change 3, CRD* | Contractor Human Resource Management Programs<br><br>*Exclude all of 5(b) paragraph found in Attachment for Chapter 4, on Page IV. |
| DOE O 413.1B CRD | Internal Control Program |
| DOE O 414.1C, CRD | Quality Assurance |
| DOE O 422.1, CRD | Conduct of Operations |
| DOE O 426.2, CRD | Personnel Selection, Training, Qualification and Certification Requirements for DOE Nuclear Facilities |
| DOE O 435.1, Change 1, CRD | Radioactive Waste Management |

| Order Number/Changes | Title |
|---|---|
| DOE M 441.1-1 | Nuclear Material Packaging Manual |
| DOE O 442.1A, CRD Supplemented Revision 2 | Department of Energy Employee Concerns Program |
| DOE O 442.2, CRD | Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns |
| DOE O 450.1A CRD | Environmental Protection Program |
| DOE M 450.4-1, CRD | Integrated Safety Management System Manual |
| DOE O 458.1, CRD | Radiation Protection of the Public and the Environment |
| DOE O 460.1B CRD | Packaging and Transportation Safety |
| DOE M 470.4-6 Change 1, CRD | Nuclear Material Control and Accountability |
| DOE O 471.3, Change 1 | Identifying and Protecting Official Use Only Information |
| DOE M 471.3-1 CRD | Manual for Identifying and Protecting Official Use Only Information |
| DOE O 471.6, CRD | Information Security |
| DOE O 472.2, CRD | Personnel Security |
| DOE O 473.3, CRD | Protection Program Operations |
| DOE O 475.1 CRD | Counterintelligence Program |
| DOE O 551.1D, CRD | Official Foreign Travel |
| DOE-0223 | RL- Emergency Implementing Procedures |
| DOE/RL-94-02, Rev 5 | Hanford Emergency Management Plan<br>- Section 11.1<br>- Section 11.1.3<br>- Section 12.0 |
| DOE/RL 96-68 | HASQARD, Revision 3 |
| MGT-PM-IP-08, Attachment 9.2, CRD | Facility Representative Program |
| ORP M 420.1-1, CRD | ORP Fire Protection Program |

**ATTACHMENT 2: 222-S LABORATORY DOCUMENTED SAFETY ANALYSIS**

**In accordance with Section C.2.3.4 requirements, the following documents are incorporated:**

DSA HNF-12125.pdf
TSR HNF-14733.pdf

## ATTACHMENT 3 APPLICATIONS, PERMITS, AND NOTICES OF CONSTRUCTION

The following is a list of applications, permits, and Notices of Construction (NOCs) the lab currently complies with:

**Liquid Effluents**:

- SWDP ST4511, Site-wide Hydrotest, Maintenance, and Construction Discharges, Site-wide Cooling Water and Condensate Discharges and Site-wide Industrial Stormwater Discharges to Engineered Land Disposal Structures

- HNF-SD-W049H-ICD-001, 200 Area Treated Effluent Disposal Facility Interface Control Document

**Air Emissions**:

- Hanford Site Air Operating Permit, 00-05-006
- NOC, State of Washington Department of Ecology, Letter, July 13, 1992, Approval of the Notice of Construction for the Environmental Hot Cell Expansion
- NOC, State of Washington Department of Health, AIR 08-904, September 8, 2008, *License to Operate the 222-S Laboratory*

**Waste Treatment, Storage, Disposal**:
The 222-S Laboratory Complex is an interim status Treatment, Storage, and Disposal Facility and does not have a RCRA Permit. An application (DOE/RL-91-27) for a RCRA, Part B, Final Status Treatment, Storage, and Disposal Facility Permit has been submitted to the State of Washington Department of Ecology. Chapter1of the permit application contains the Part A, Form 3, Revision 9, Dangerous Waste Permit Application, which must be complied with.

**Waste Analysis Plan**
A draft Waste Analysis Plan for the Low-Level Burial Grounds is currently being discussed with the Washington State Department of Ecology

**ATTACHMENT 4: WASHINGTON DEPARTMENT OF LABOR WAGE DETERMINATION**

| | |
|---|---|
| REGISTER OF WAGE DETERMINATION UNDER THE SERVICE CONTRACT ACT By direction of the Secretary of Labor | U.S. DEPARTMENT OF LABOR EMPLOYMENT STANDARDS ADMINISTRATION WAGE AND HOUR DIVISION WASHINGTON D.C. 20210 |
| Diane Koplewski Director — Division of Wage Determinations | Wage Determination No.: CBA-2012-5191 Revision No.: 0 Date Of Last Revision: 8/2/2012 |

State: Washington

Area: Benton

Employed on U.S. Department of Energy, Office of River Protection contract for The scope of this contract, awarded to Advanced Technologies and Laboratories, is to perform the Analytical Services production functions of receiving, handling, analyzing, storing samples, performing special tests and reporting the results of these analyses and tests to the contractors of Department of Energy Offices at the Hanford Nuclear Site near Richland, Washington. These functions will be performed through a contract with the DOE Office of River Protection at the 222-S Laboratory complex located in t.

Collective Bargaining Agreement between contractor: Advanced Techologies and Laboratories, Inc., and union: Hanford Atomic Metal Trades Council, effective 4/1/2007 through 11/30/2012.

In accordance with Section 2(a) and 4(c) of the Service Contract Act, as amended, employees employed by the contractor(s) in performing services covered by the Collective Bargaining Agreement(s) are to be paid wage rates and fringe benefits set forth in the current collective bargaining agreement and modified extension agreement(s).

## ATTACHMENT 5: HANFORD SITE SERVICES AND INTERFACE REQUIREMENTS MATRIX

Services listed in the *Hanford Site Services and Interface Requirements Matrix (*Matrix) shall be performed in accordance with the Section H Clause entitled, *Hanford Site Services and Interface Requirements Matrix*.

All services are provided during the Hanford alternate work schedule (AWS) defined as 7:00 a.m. to 4:30 p.m. Monday through Thursday and 7:00 a.m. to 3:30 p.m. on standard Site Fridays unless otherwise noted. Hanford Site contractors can request work outside of this schedule by providing a statement of work and requesting that scope as a usage-based service.

Legend for Matrix – The Legend for the primary Matrix users/providers is as follows:

| | |
|---|---|
| MSC | Mission Support Contract(or) |
| PRC | Plateau Remediation Contract(or) |
| TOC | Tank Operations Contract(or) |
| WTP | Waste Treatment and Immobilization Plant (Contractor) |
| RCCC | River Corridor Closure Contract(or) |
| Other Site Users | Examples include: Occupational Health Services Contractor (OHSC), Analytical Services and Testing Contractor (ASTC), Energy Savings Performance Contractor (ESPC), Pacific Northwest National Laboratory (PNNL) [activities located on the Hanford Site], Laundry Services Contractor, DOE, etc. |

Types of Interfaces –

1. Information (I): knowledge (data, facts, etc) gathered or supplied
2. Physical (P): systems in tangible contact (i.e., ‘pipe-to-pipe’), or a physical exchange of product or materials
3. Service (S): provision of work for another Contractor

## MSC SERVICES AND INTERFACE ACTIVITIES

### MSC General Requirements

| Interface Number | Type of Interface | Activity (Interface) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | I | Infrastructure and Services Alignment Plan (ISAP), and the Annual Forecast of Services and Infrastructure (including the *Hanford Site Services and Interface Requirements Matrix)* | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | | MSC bears the cost burden of program administration; Hanford Site contractors/users bear internal implementation costs |
| | | | ISAP is the strategic plan for right-sizing the infrastructure to support the future Hanford Site mission and the *Annual Forecast of Services and Infrastructure* is a projection of needed utilities, services, and infrastructure from other Hanford Site contractors.<br>• MSC shall develop, maintain and update an ISAP and the *Annual Forecast of Services and Infrastructure,* which includes the costs for services. Proposed changes in service providers shall include a justification, and a plan forward,<br>• MSC shall solicit input from Hanford Site contractors/users for the ISAP and the *Annual Forecast of Services and Infrastructure*, including projection of need for services and proposed performance metrics/controlling agreements for the service provider.<br>• DOE will evaluate contractor/user input prior to approval. The plan will be approved by DOE | | | | | | | |
| Interface Number | Type of Interface | Activity (Interface) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 2 | I | Hanford Site Interface Management Plan | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |

| | | | |
|---|---|---|---|
| | | | *Hanford Site Interface Management Plan* is the controlling agreements that ensure effective control of technical, administrative, and regulatory interfaces.<br>• MSC shall develop and maintain the *Hanford Site Interface Management Plan*<br>• MSC shall collaborate with the Hanford Site contractors/users on the *Hanford Site Interface Management Plan*.<br>• PRC, TOC, and MSC shall sign the *Hanford Site Interface Management Plan*. |

**Safety, Security and Environment**

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | I/S | Protective Forces | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Atomic Energy Act of 1954, as amended<br>CRD M 470.4-1, *Safeguards & Security Program Planning and Management*<br>CRD M 470.4-3, *Protective Force* | Funded through MSC; provided at no cost to Hanford Site contractors |
| | | | Protective Forces provides security for facilities possessing critical Safeguards and Security interests (e.g., special nuclear material). Coverage is provided 24/7 via the Hanford Patrol.<br>• MSC shall provide Protective Force operations.<br>• Hanford Patrol shall provide random and special searches as required.<br>• Hanford Patrol shall provide Protective Force services for WTP facilities when turned over to TOC.<br>• Hanford Site contractors shall provide facility, operational, and system configuration changes that may affect Protective Force operations. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | I/S | Physical Security (PSS) Systems (*Nuclear Material, Special Nuclear Material, and Classified Matter*) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Atomic Energy Act of 1954, as amended<br>CRD M 470.4-2, *Physical Protection*<br>CRD O 470.3A, *Design Basis Threat Policy* | Funded through MSC; provided at no cost to Hanford Site contractors with the exception of physical security upgrades within the facility – these may be shared costs between the MSC and the Hanford Site contractor that has responsibility for the facility. |
| | | | Physical Security under this activity is for accountable quantities of nuclear and classified materials, including performance testing, intrusion detection, entry/access control, explosive detection, locksmith services, and engineering and maintenance of the physical security and access control systems.<br>• MSC shall provide Security Representatives for facilities or groups of facilities where there are important safeguards and security (SAS) assets.<br>• MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of Asset Protection Agreements.<br>• MSC shall design security system upgrades for existing facilities with changing requirements and design security systems for new facilities.<br>• MSC shall provide locksmith support for installation, replacement, and maintenance of locks, keys, and access control systems for the protections of Government property and nuclear materials, including special nuclear materials, classified matter, new facilities and WTP turnover facilities to TOC, etc.<br>• Hanford Site contractors shall provide the MSC information about SAS arrangements and/or changes prior to new operations commencing, or changing operations or configurations that might alter the performance of existing SAS systems; support the MSC in the development of or update of facility *Asset Protection Agreements*, and requesting locksmith services. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | I/S | Physical Security Systems (*Government Property*) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC. N/A PNNL | CRD M 470.4-2, *Physical Protection* CRD O 470.3A, *Design Basis Threat Policy* | MSC bears the cost burden of program administration; Hanford Site contractors bear costs of physical security upgrades. If used by PNNL off Hanford Site, they pay full-cost. |
| | | | Physical security under this activity is for Government property other than nuclear material, special nuclear material, and classified. Physical Security such as fences, locks, etc. through *Asset Protection Agreements*.<br>• MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of *Asset Protection Agreements*.<br>• Hanford Site contractors shall support the MSC in the development of or update of facility *Asset Protection Agreements* and implement those agreements.<br>• MSC shall provide Technical and Engineering Security services as required for the design and/or turnover of new facilities. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 6 | I/S | Information Security - (*Operations Security (OPSEC)*) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC (only DOE) | Atomic Energy Act of 1954, as amended CRD M 470.4-4, *Information Security* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | The OPSEC Program helps ensure that sensitive information is protected from compromise and secured from unauthorized disclosure, and provides management with necessary information required for sound risk management decisions concerning the protection of sensitive information.<br>• MSC shall implement a Hanford Site-wide program; assure conformity of implementation with OPSEC standards and requirements; conduct assessment(s) of all Hanford Site facilities having Category I special nuclear material (SNM) (or credible roll-up to Category I SNM); conduct reviews of all Hanford Site facilities that have the potential to process or store classified or sensitive information; and conduct the *Annual Site OPSEC Threat Assessment* and prepare the annual *OPSEC Plan*.<br>• Hanford Site contractors shall implement their internal OPSEC responsibilities, participate and support Hanford Site-wide OPSEC Working and Awareness groups; provide support to the MSC OPSEC assessments; and support the *Annual Site OPSEC Threat Assessment* and preparation of the annual *OPSEC Plan*. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 7 | I/S | Information Security - Classified Matter Protection and Control (CMPC); Classification, Declassification and UCNI Program | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | N/A | Atomic Energy Act of 1954, as amended<br>CRD M 470.4-4, *Information Security* | MSC bears the burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The CMPC Program establishes control and accountability requirements for classified matter, marking of classified matter, reproduction, receipt and transmission, and destruction; and, physical protection requirements for classified matter in storage.<br>• MSC shall provide a centralized CMPC, Classification, Declassification and Unclassified Controlled Nuclear Information (UCNI) Program that includes operation and management of the Classified Document Control Center and management of classified information in the records holding area.<br>• MSC shall provide trained and authorized personnel to conduct inquiries for incidents of security concern, maintain the reporting database, and assist the contractor in report writing as required.<br>• Hanford Site contractors shall be responsible for maintaining an updated list of security containers, locations and custodians; support investigation of any incidents of potential or actual compromise of classified; and nominate a sufficient number of Derivative Classifiers and Reviewing Officials who shall be trained and approved by the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | I/S | Information Security - Official Use Only (OUO) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | N/A | Atomic Energy Act of 1954, as amended<br>CRD O 471.3, *Identifying & Protecting Official Use Only Information*<br>CRD M 471.3-1, *Manual for Identifying & Protecting Official Use Only Information* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The OUO Program establishes controls to protect sensitive unclassified information as OUO.<br>• MSC shall manage, integrate, and oversee implementation of a common Hanford Site-wide OUO program to ensure conformity of implementation by performing Hanford Site contractors and coordination of OUO education and awareness.<br>• Hanford Site contractors shall manage and implement an OUO information program consistent with the common Hanford Site-wide OUO information program. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | S | Personnel Security – Badging | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC. N/A for PNNL | Atomic Energy Act of 1954, as amended<br>CRD M 470.4-2, *Physical Protection* | Funded through MSC; provided at no cost to Hanford Site contractors |
| | | | A DOE security badge is utilized for all DOE and contractor personnel to gain access to DOE-owned or -leased facilities or areas where DOE-sponsored work is ongoing.<br>• MSC shall provide badging service for the Hanford Site, which includes manufacture, issuance, destruction, control, and accountability for DOE Standard, Hanford Specific, Temporary, and Personal Identify Verification badges.<br>• MSC shall coordinate and initiate “STOP ACCESS” procedures, and control and issue private vehicle passes for Property Protection Areas.<br>• Hanford Site contractors shall obtain badging service from MSC; participate in “STOP ACCESS” program; and obtain vehicle passes from MSC. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 10 | S | Personnel Security – Access Authorization (Security Clearance) Processing Program | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC, N/A for PNNL | CRD M 470.4-5, *Personnel Security* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The Access Authorizations (Security Clearances) Program involves processing, granting, and allowing individuals to retain an access authorization when their official duties require access to classified information or matter, or special nuclear material (SNM).<br>• MSC shall process all security clearances in support of Hanford Site contractors. These activities include requesting, obtaining, maintaining, downgrading and terminating security clearances, including "Special Access" privileges (e.g., SIGMA). The clearance processing program shall include reviews of each requested clearance action to ensure adequate justification exists and that reporting requirements are met.<br>• Hanford Site contractors shall request and obtain personnel security clearances, including “Special Access” from the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 | I/S | Personnel Security – Human Reliability Program (HRP) | Provide service to Site contractors | Receive service from and provide input to MSC | N/A | N/A | N/A | N/A | 10 CFR 712, *Human Reliability Program* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The Human Reliability Program (HRP) on the Hanford Site is designed to ensure that individuals who occupy positions affording access to special nuclear material and classified materials programs meet the highest standards of reliability and physical and mental suitability.<br>• MSC shall coordinate and track all Hanford Site drug and alcohol testing; MSC shall notify the PRC of drug and alcohol testing results.<br>• MSC shall administer the HRP program, including initial and refresher training.<br>• PRC shall identify HRP positions, submit requests to MSC for enrollment in the Hanford Site HRP, and execute their portion of the HRP consistent with the Hanford Site HRP, as administered by the MSC. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 12 | I/S | Personnel Security – Workplace Substance Abuse Programs (WSAP) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC, N/A for PNNL | 10 CFR 707, *Workplace Substance Abuse Programs at DOE Sites* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The WSAP is responsible for maintaining a workplace free from the use of illegal drugs, and is applicable to DOE contractors and their sub-contractors in testing-designated positions performing work at Sites owned or controlled by DOE under the authority of the Atomic Energy Act of 1954.<br>• MSC shall administer the WSAP and maintain the procedures for testing and databases.<br>• MSC shall notify the respective Hanford Site contractor of drug and alcohol testing results.<br>• Hanford Site contractors shall identify individuals in testing-designated positions and execute the program per the MSC procedure. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | I/S | Personnel Security – Foreign National Visits and Assignments (FNVA) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC (N/A PNNL) | CRD O 142.3, *Unclassified Foreign Visits & Assignments* CRD O 142.1, *Classified Visits Involving Foreign Nationals* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | FNVA pertains to unclassified (and potentially classified) foreign national access to the DOE Hanford Site for information and technologies.<br>• MSC shall process security plans for foreign visitors to Hanford Security areas, coordinate all FNVA requests, and submit to the appropriate contractor FNVA authority for approval.<br>• Hanford Site contractors shall notify the MSC of potential foreign visitor or assignment, and prepare and submit security plans to MSC for processing of the visit/assignment. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 14 | I/S | Cyber Security – (Classified and Unclassified Cyber Security) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | N/A | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Classified/Unclassified Cyber Security Program identifies and protects classified, unclassified and sensitive information generated, processed and stored for the Hanford Site.<br>• MSC shall provide a Hanford Site Classified Information Systems Security Officer; develop a Hanford Master Classified Information Systems Security Plan; ensure that all classified systems are certified and accredited; and implement the classified cyber security training program.<br>• MSC shall implement a centralized Hanford unclassified computer security program.<br>• Hanford Site contractors shall manage and execute classified and unclassified cyber security responsibilities consistent with DOE requirements and the MSC centralized program. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 15 | I/S | Nuclear Material Controls and Accountability (MC&A) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | N/A | Atomic Energy Act of 1954, as amended<br>CRD M 470.4-6, *Nuclear Material Control and Accountability* | MSC bears the burden of program administration; Hanford Site contractors bear internal implementation costs. |
| | | | The MC&A Program provides control and accountability of nuclear materials within DOE.<br>• MSC shall manage and conduct a centralized MC&A program for all accountable quantities of nuclear material on the Hanford Site, and approve all implementing procedures of Hanford Site contractors.<br>• Hanford Site contractors shall support MSC in preparation and maintenance of a *Hanford Site-wide MC&A Plan*, administration of treaty-related activities, performance of occurrence investigation and reporting, and scheduling of periodic inventories.<br>• Hanford Site contractors shall implement MC&A requirements per the *Hanford Site-wide MC&A Plan*. Hanford Site Contractors are required to implement facility specific requirements. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 16 | I/S | SAS Program Management – Safeguards and Security (SAS) Awareness | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC.<br>N/A for PNNL. | CRD M 470.4-1, *Safeguards and Security Program Planning and Management* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | SAS Awareness Program is used to inform Hanford Federal and contractor employees, subcontractors, and visitors of their SAS responsibilities and to promote continuing awareness of good security practices.<br>• MSC shall provide SAS Awareness training for all Hanford Federal and contractor employees, subcontractors, and visitors; and conduct security training for all permanently badged employees on an initial and annual frequency to maintain appropriate levels of awareness.<br>• Hanford Site contractors shall comply with the requirements of the Hanford Security Awareness program, as administered by the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | I/S | SAS Program Management | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | Receive service from and provide input to MSC. N/A for PNNL. | Atomic Energy Act of 1954, as amended<br>CRD O 470.3A, *Design Basis Threat Policy (U)*<br>CRD M 470.4-1, *Safeguards and Security Program Planning and Management* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | SAS Program Management provides formal organized process for planning, performing, assessing, and improving the secure conduct of work in accordance with risk-based protection strategies.<br>• MSC shall establish, manage, integrate and execute the processes and services that comprise the SAS Program Management, such as Program Planning, Oversight, and Administration; Security Conditions (SECON); Site Safeguard and Security Plan (SSSP); Vulnerability Assessments; Design Basis Threat; and safeguards and security training.<br>• Hanford Site contractors shall coordinate and interface with MSC on SAS Program Management regarding SAS technical, cost, and schedule performance; comply with SECON activities; support the Site Safeguards and Security Plan (SSSP) development, etc.<br>• Hanford Site contractors shall manage their internal SAS Program Management activities. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory per the MSC Statement of Work, Table C.2.1.2-1; all other services under this Activity are Optional )* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 18 | I/S | Site Training Services and HAMMER | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Optional | Optional | Receive service from and provide input to MSC (Optional for PNNL) | 29 CFR 1910.120; Facility-wide RCRA permit, WAC 173-303, *Dangerous Waste Regulation*; OSHA Manual and OSHA Safety and Health Standard; and other Safety related requirements | Site Training Services are usage-based services reimbursed by the user; HAMMER base operations for the facility are at no cost to Hanford Site contactors for DOE-EM funded Work Scope. |
| | | | Site Training Services provides training facility, curriculum, and training delivery services to Federal, contractor, and subcontractor employees in support of the Hanford and PNNL missions consistent with the DOE, local, state, and Federal workforce training requirements.<br>• MSC shall provide Hanford Site workers (and PNNL, as requested) training per MSC Table C.2.1.2-1, to support maintaining a qualified workforce, develop the *Annual Training Needs Forecast and Plan*, and operate the HAMMER facility.<br>• MSC shall maintain the employee training records for training provided by MSC.<br>• MSC shall perform mask fit services for Hanford Site contractors.<br>• Hanford Site contractors shall provide training priorities, training needs, and input regarding standardized training programs. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | I/S | Fire & Emergency Response Services (Fire Prevention, Fire Suppression, Fire Investigations; Emergency Rescue; Emergency Medical Service and Patient Transport; Incident Command; and Hazardous Material and Chemical/ Biological/ Radiological Emergency Response) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC (includes Energy Northwest.) May include Non-Hanford Site areas designated by DOE | 29 CFR 1910.146 OSHA Manual CRD O 420.1B, *Facility Safety* | Funded through MSC; provided at no cost to Hanford Site contractors. |
| | | | Fire and Emergency Response Services provide fire prevention, fire suppression, fire investigations; emergency rescue; emergency medical service and patient transport; incident command; and hazardous material and chemical/biological/radiological emergency response for the Hanford Site and those non-Hanford Site areas designated by DOE.<br>• MSC shall provide 24/7 fire-related protection of human life, property, and facilities; and operates basic and advanced life support emergency medical services.<br>• MSC shall act as the Site Incident Command Agency for all fires and hazardous/radiological materials emergencies on the Hanford Site.<br>• Hanford Site contractors shall support facility access to the MSC fire services personnel, and notify the Fire Department of work activities, events, incidents, etc., that may require Fire Services involvement and/or response (e.g., medical assistance, hazardous or radiological emergency help, etc.).<br>• The MSC will provide support for HFD participation in drills and exercises | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | I/S | Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance) | Provide service to Site Contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC (RFAR only) | Receive service from and provide input to MSC | Receive service from and provide input to MSC The only service applicable to PNNL is Fire Protection Systems Testing in DOE owned facilities on the Hanford Site. | 29 CFR 1910.146 OSHA Manual CRD O 420.1B, *Facility Safety* | MSC is direct-funded to maintain fire alarm systems for each Hanford Site contractor. Hanford Site contractors are required to provide their own hardware projects. |
| | | | Fire and Emergency Response Services also includes fire protection system inspection, testing, and maintenance of existing and new fire systems for the Hanford Site, including backflow prevention devices.<br>• MSC shall provide a Fire Marshal with authority for fire protection system inspection, testing, and maintenance; respiratory protection services; building inspections; ignitable and reactive waste site inspections; pre-fire planning; etc.<br>• Hanford Site contractors shall be required to use certain mandatory Fire Services from the MSC contractor in performance of this work scope (e.g., fire systems inspection, testing, etc.) consistent with the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 21 | I/S | Emergency Operations (Centralized Hanford Site Emergency Preparedness Program) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | DOE/RL-94-02, *Hanford Emergency Management Plan* CRD O 151.1C, *Comprehensive Emergency Management System* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. |
| | | | Emergency Operations consists of the Hanford Site-wide Emergency Preparedness (EP) program, which includes operation of the Emergency Operations Center (EOC), Joint Information Center (JIC), requirements for hazards surveys and hazards assessments, training of EOC staff, Hanford Site-wide exercises, and facility-specific plans and procedures for EP development, training, drills and assessments.<br><br>MSC shall:<br><br>• Coordinate, integrate, and maintain a centralized Hanford Site EP Program.<br>• Provide instruction in accordance with DOE/RL-94-02, *Hanford Emergency Management Plan* to all Hanford Site contractors and their subcontractors.<br>• Conduct or support emergency management surveillances and assessments and work with the Hanford Site contractors for corrective action implementation.<br>• Establish procedures and provide direction and coordination for the Hanford Site Occurrence Reporting Program.<br><br>MSC shall provide support for the Unified Dose Assessment Center (UDAC). Hanford Site contractors shall develop, maintain, and execute an Emergency Management Program as described in DOE/RL-94-02, *Hanford Emergency Management Plan* for facilities and waste sites under their control. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | I/S | Emergency Operations (Event Reporting; and Occurrence Notification Center) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | CRD O 231.1A, *Environment, Safety and Health Reporting*<br>CRD M 231.1-1A, *Environment, Safety, and Health Reporting*<br>CRD O 450.1A, *Environmental Protection Program*<br>DOE O 458.1458.1, *Radiation Protection of the Public and the Environment* | MSC bears the burden of program administration; Hanford Site contractors bear internal implementation costs. |
| | | | Event Reporting is provided to ensure that DOE is kept fully informed about events that could adversely affect the health and safety of the public or the workers, the environment, the intended purpose of the facilities, or the credibility of the DOE.<br>• MSC shall operate the Hanford Site-wide Occurrence Notification Center (ONC).<br>• Hanford Site contractors shall report their environmental, safety, and health events and related information directly to DOE and to the ONC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface & Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 23 | I/S | Site Safety Standards (Common Safety Processes) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Receive service from and provide input to MSC | N/A | 10 CFR 851.11, *Development and Approval of the Worker Safety and Health Program* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. |
| | | | Site Safety Standards are to be used by Hanford Site contractors to ensure common processes for worker safety.<br>• MSC shall obtain affected Hanford Site contractor approval and establish common safety processes on the Hanford Site per MSC Table C.2.1.2-1.<br>• MSC shall maintain a site-wide web-based system with input from other Hanford contractors for sharing operating experiences and lessons learned with a focus on preventing recurrence of safety or reliability events, and to share good work practices in accordance with DOE O 210.2.<br>• MSC, PRC, and TOC shall work collaboratively and build coalitions with Hanford Site contractors and workers to continue to build a strong and enduring safety culture. Based on input from Hanford Site contractors and workers, the MSC with the PRC and TOC shall identify DOE opportunities to enhance and measure the Hanford safety culture.<br>• MSC shall manage and administer Hanford Site safety activities/initiatives, such as, Annual Safety Exposition, Hanford Worker Electrical Safety Board, etc., as approved by DOE.<br>• Affected Hanford Site contractors shall approve common safety standards and develop internal implementing procedures, and participate in Hanford Site safety activities/initiatives, where appropriate, as administered by MSC. | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 24 | I/S | Radiological Assistance (RAP) | Provide service | Provide staff to MSC | Provide staff to MSC | N/A | N/A | N/A | DOE O 5530.3, *Radiological Assistance Program* | MSC bears the cost burden of program administration to include travel, equipment, and RAP specific training. PRC and TOC provide personnel and bear personnel costs associated with RAP participation.. PNNL also provides personnel to RAP but is funded through MSC.. |
| | | | RAP provides first-responder radiological response capabilities 24/7 for the Hanford Site and Region 8 (states of Alaska, Oregon, and Washington).<br>• MSC shall maintain and implement a first-responder radiological assistance that includes plans, procedures, resources and 24/7 response capabilities for Region 8 in support of the DOE Regional Response Coordinator and provide equipment.<br>• PRC and TOC shall provide qualified personnel, technical expertise, and support to the DOE Region 8 RAP to ensure maintenance and staffing of emergency teams with the ability to respond under the direction of DOE National Nuclear Security Administration (NNSA) and the U.S. Department of Homeland Security. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 25 | I/S | Environmental Regulatory Management *(Site-wide permits, permit applications, and reports; Site-wide NEPA documents; Site-wide environmental reports; Site-wide (environmental) Quality Assurance standards; allocation of permit limits)* | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Environmental Regulatory Management ensures a Site-wide environmental program which is compliant with applicable laws, regulations, DOE directives and the Section H Clause entitled, *Environmental Responsibility*.<br><br>MSC shall establish and provide Site-wide management, administration, integration, permitting and compliance in coordination with other Hanford Site contractors. The MSC shall obtain concurrence from affected Hanford Site contractors for Site-wide environmental documents. MSC performs all near-field monitoring activities for the Hanford Site, including near-field monitoring required by a facility specific permit.<br><br>Hanford Site contractors shall:<br>• Provide input for the Site-wide Environmental Management System (EMS) Program Management Plan.<br>• Integrate their environmental permitting and regulatory compliance activities with the Hanford site-wide permitting and compliance framework maintained by the MSC.<br>• Provide appropriate and timely input to the MSC and other designated Hanford Site contractors for regulatory required Site-wide environmental reports and metrics for their facilities and activities.<br>• Support MSC in their Site-wide environmental regulatory management roles.<br>• Provide legally and regulatory required air and liquid effluent and near facility environmental monitoring; collect, compile, and/or integrate air and liquid effluent monitoring data from operations and activities under their control.<br>• Provide appropriate environmental data for its facility and operable units to support Hanford Site assessments and preparation of the annual Hanford Site Environmental Report. Obtain unit specific permit modifications in coordination with the MSC.<br>• Inform MSC if any near-field monitor(s) are required as part of contractor's facility monitoring. | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | S | Seismic Monitoring Services | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | CRD O 420.1, *Facility Safety* DOE Guide 420.1-1, *Section 4.7, "Emergency Preparedness and Emergency Communications* | Funding provided by DOE –EM to MSC; provided at no cost to Hanford Site contractors |
| | | | Seismic Monitoring Services are required to operate the Hanford Site seismic network and provide report activities as needed. This information is utilized for operational facilities, to support new facility design and for emergency operations activities.<br>• MSC shall maintain seismic sensors and systems, monitor seismic activity and report seismic activities on the Hanford Site.<br>• MSC shall provide seismic information to Hanford Site contractors upon request.<br>• Hanford Site contractors shall request and provide requirements for services when necessary. | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Interface)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 27 | I | Hanford Environmental Oversight (HEO) | Provide service to Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | DOE O 458.1458.1, *Radiation Protection of the Public and the Environment* CRD O 450.1A, *General Environmental Protection* | Funding provided by DOE –EM to MSC for program administration; Hanford Site contractors bear internal implementation costs |
| | | | HEO provides program management, coordination and integration of Public Safety and Resource Protection (PSRP) functions. HEO also provides technical and administrative support to DOE associated with the PSRP program including Natural Resource Trustee activities.<br>• MSC shall provide annual updates of the *Hanford Site National Environmental Policy Act (NEPA) Characterization Report*.<br>• Hanford Site contractors shall provide to MSC appropriate environmental data for its facility and operable units to support Hanford Site assessments and preparation of the *Hanford Site NEPA Characterization Report*. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | I/S | Meteorological and Climatological Services | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | | Funding provided by DOE –EM to MSC for the cost of services, except for special-use information requested by Site contractors |
| | | | The Hanford Meteorological Monitoring System includes 30 monitoring stations on the Hanford Site and provides accurate and timely weather information that enable safe conduct of activities and emergency response.<br>• MSC shall provide all standard, weather-related information for Hanford Site contractors, providing detailed around-the-clock, easily retrieved and understood, real time meteorological data. This includes forecasts, heat indices, historical information, etc.<br>• MSC shall maintain and operate the Hanford Meteorological Monitoring system. MSC may be requested to provide special-use information by Site contractors.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | I | Environmental Surveillance | Receive input from and provide information to Site contractors | Receive information from and provide input to MSC | Receive information from and provide input to MSC | Receive information from and provide input to MSC | Receive information from and provide input to MSC | Receive information from and provide input to MSC | Receive information from and provide input to MSC as applicable | DOE O 458.1458.1 CRD O 450.1A *Clean Water Act* *Clean Air Act* | Funding provided by DOE –EM to MSC for program administration; Hanford Site contractors bear internal implementation and request for services costs. |
| | | | Environmental Surveillance consists of far-field multimedia environmental monitoring to measure the concentration of radionuclides and chemicals in environmental media and assess the integrated effects of these materials on the environment and the public.<br>• MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual *Hanford Site Environmental Report* and the *Hanford Site Environmental Surveillance Master Sampling Schedule*; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site.<br>• MSC shall assess impacts and risks of Hanford contaminants on human health and the environment in support of Hanford cleanup activities as requested. Data and analysis shall be made available to the Hanford risk assessment activities.<br>• Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual *Hanford Site Environmental Report* and *Hanford Site Environmental Surveillance Master Sampling Schedule* | | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface & Service - Mandatory)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | I/S | Ecological Monitoring and Compliance – Site Wide | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC as applicable | *Endangered Species Act* *Migratory Bird Treaty Act* Hanford Site Resource Management Plan | Funding provided by DOE –EM to MSC for program administration; ecological reviews are a usage-based service. Hanford Site contractors bear internal implementation and request for services costs |
| | | | Ecological Monitoring and Compliance is to achieve compliance with ecological resource-related legal and regulatory requirements; Biota is monitored to access the abundance, vigor, or condition, and distribution on the Hanford Site.<br>MSC shall:<br>• Assess the impacts to biological resources from Hanford Site operations and legacy contaminants to the environment and monitor the abundance, vigor, and distribution of plant and animal populations on the Hanford Site. This includes baseline surveys of protected biological resources, species, and habitats within key areas of the Hanford Site where the majority of routine operations and clean-up are conducted.<br>• Conduct ecological compliance reviews for Hanford Site contractors.<br>• Ecological reviews that are required to be conducted outside the Hanford alternate work schedule will not charge overtime to OHC projects.<br>Hanford Site contractors shall:<br>• Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and samples.<br>• Provide ecological information to the MSC from their sampling activities such as CERCLA/RCRA risk assessments | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | I/S | Cultural and Historic Resource Program | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Provide input to MSC | Receive service from and provide input to MSC as applicable | *National Historic Preservation Act (NHPA)*, *American Indian Religious Freedom Act Archaeological Resources Protection Act Native American Graves Protection and Repatriation Act* | Funding provided by DOE –EM to MSC for program administration; cultural reviews are a usage-based service.Hanford Site contractors bear internal implementation and request-for-services costs |
| | | | The Cultural and Historic Resource Program administers the program for protecting Hanford Site cultural and historic resources, and documents and addresses any real or potential Site-wide issues and their impacts; and assures compliance with associated laws, DOE directives, and legally-binding agreements.<br>• MSC shall monitor and support the resource protection activities of Hanford Site contractors; coordinate surveys performed to document the occurrence of protected resources; evaluate and document impacts to protected resources; perform NHPA Section 106 Reviews for Hanford Site contractors; maintain, establish procedures for and manage Hanford Site cultural and historic resource site files (hard copy and electronic) and associated compliance project files for all such work that occurs at the Hanford Site; and curate files and artifacts in accordance with 36 CFR 79.<br>• Hanford Site contractors shall provide information to the MSC necessary to perform NHPA Section 106 Reviews for their scope of work, and provide to MSC information and materials to support PNNL execution of the *Comprehensive Land Use Plan's* (CLUP) *Cultural & Historic Resource Program Plan*. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the PNNL project records and files for background research. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PNNL | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | I/S | Radiological Site Services (RSS) | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC | DOE and national quality control requirements | Usage-based service reimbursed by the user |
| | | | Radiological Site Services (RSS) is a fully-integrated and documented set of radiological support programs which provide the technical support, dosimetry, data, and records necessary to demonstrate compliance with required radiological monitoring and to verify the adequacy of Site radiological control programs in protecting the health and safety of workers, the public, and the environment. The RSS includes the Hanford External Dosimetry Program, the Hanford Internal Dosimetry Program, the Hanford Radiological Instrumentation Program, and the Hanford Radiological Records Program.<br><br>MSC shall provide:<br><br>• Accredited external dosimetry services, including technical support, documentation, and dosimeters, based on the types and quantities of external dosimetry required by all key customers.<br>• Accredited internal dosimetry services, including technical support, documentation, and analyses, based on the types and quantities of internal dosimetry required by all key customers.<br>• Calibration, maintenance, and repair services for a broad range of portable and semi-portable radiological instrumentation, including technical support and documentation, based on the types and quantities of portable and semi-portable radiological instrumentation calibration, maintenance, and repair services required by all key customers,<br>• Management and preservation of current and former radiation monitoring records for DOE (and predecessor agencies) employees, Hanford contractors, sub-contractors, and visitors, including records of existing and past Hanford Site radiation dosimetry policies and practices.<br><br>Hanford Site contractors shall request, and provide requirements for, service. | | | | | | | | |

| Site Infrastructure And Utilities | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 33 | S | Analytical Services (Chemical and Low-Level Radiological Analysis) | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Optional | Optional | Receive service from and provide input to MSC as applicable | WAC 173-50, *Accreditation of Environmental Laboratories* WAC 173-40, *Air Operating Permit* | Sample Analysis is a usage-based service reimbursed by the user; WSCF Laboratory fixed costs for maintaining the facility in a ready-to-serve capacity are at no cost to Hanford Site contactors |
| | | | Analytical Services performs chemical and low-level radiological analysis on a variety of sample media. These services are performed at the Hanford Waste Sampling and Characterization Facility (WSCF).<br>• MSC shall operate the WSCF.<br>• Hanford Site contractors shall request analytical services as needed. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 34 | S | Biological Controls | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC as applicable | WAC Chapter 16-752 CRD O 450.1A, *Environmental Protection Program* DOE O 458.1458.1, *Radiation Protection of the Public and the Environment* | Basic service funded through MSC; provided at no cost to Hanford Site contractors. Hanford Site contractors may request additional services beyond direct funded basic service as a usage-based service |
| | | | Biological Controls is a service to control noxious weeds, industrial weeds, other vegetation, and animal pests. The program controls vegetation on approximately 2000 acres, traps and removes animals, and eliminates insect infestations.<br>• MSC shall provide a Hanford Site-wide biological control program.<br>• Hanford Site contractors shall request support as needed. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 35 | S | Crane and Rigging | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Optional | Receive service from and provide input to MSC as applicable (Optional for PNNL) | DOE-RL-92-36, Rev. 1 | Usage-based service reimbursed by the user. |
| | | | The Crane and Rigging is a centralized pool of equipment and manpower for the Hanford Site.<br>• MSC shall provide a mobile crane pool, a regulated and non-regulated guzzler; coordinate rental and movement of cranes, preventative maintenance inspections and scheduling of necessary repairs; and supervises crane crews.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 36 | S | Facility Services | Provide service to Site contractors | Receive service from and provide input to MSC | Receive (limited) service from and provide input to MSC | N/A | N/A | Receive service from and provide input to MSC as applicable (N/A for PNNL) | CRD O 430.1B, *Real Property Asset Management* | Usage-based service reimbursed by the user. |
| | | | Facility Services is a central maintenance function for non-radiological facilities.<br>• MSC shall provide management and administrative oversight for all requested facility activities, including planning and directing the work. MSC shall provide for the following facility services in support of the Hanford Site projects and contractors: facility painting, sign painting, carpentry, refrigerated equipment service, insulation, pipefitting, electrical, sheet metal, instrumentation, cement finishing, glazier work, custodial, locksmith, movers, equipment calibration, and HVAC maintenance and repair.<br>• PRC and other Site users shall request and provide requirements for service.<br>• TOC shall only receive Refrigerated Equipment Service, floor service and Movers Service from and provide input to MSC | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 37 | S | Motor Carrier Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Optional | Receive service from and provide input to MSC as applicable | CRD O 460.1B, *Packaging and Transportation Safety*<br>CRD O 460.2A, *Departmental Materials Transportation and Packaging Management* | Usage-based service reimbursed by the user. |
| | | | Motor Carrier Services provides centralized pool of vehicles and drivers for the on-site or local transportation of freight including hazardous material at the Hanford Site, including radioactive materials and radioactive/mixed waste.<br><br>• MSC shall manage, schedule, and conduct motor carrier services.<br>• MSC shall maintain and operate a centralized pool of vehicles and drivers for the on-site and limited local transportation of freight including hazardous and radioactive materials at the Hanford Site.<br>• Hanford Site contractors who are customers of this service prepare the waste for transport including shipper/receiver agreement documents, transportation documents for packaging, transportation and receipt by the receiving facility. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 38 | S | Fleet Services | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Optional | Receive service from and provide input to MSC as applicable | 41CFR102-34, *Motor Vehicle Management* 41CFR109-38, *Motor Equipment Management* | MSC bears the cost of basic service as defined below and in the MSC for acquisition, control, assignment, and disposal of DOE fleet equipment and GSA vehicles. Fleet facilities maintenance, operations support, consumables, fuel delivery, maintenance, parts, and labor for the DOE fleet are a usage-based service |
| | | | Fleet Services administers and manages a fleet of motorized vehicles and equipment including, but not limited to sedans, pickups, vans, busses, ambulances, tractors, flatbeds, dump trucks, tool vans, utility maintenance vans, cab and chassis, trailers, forklifts, cranes, generators, compressors, excavators, frontend loaders, dozers, wreckers, and fuel tankers.<br>• MSC shall provide management and coordination, statistical usage tracking, and reporting on GSA-leased vehicles and DOE-owned vehicles/equipment; perform vehicle and equipment repair and modification services as required (e.g., in the 200 area); and perform record-keeping, vehicle assignment, ensuring vehicle utilization, and excess/disposal of fleet vehicles and parts. Some vehicles are designated as “regulated” due to contamination and are required to be serviced within radiologically-controlled areas.<br>• MSC shall provide and execute the DOE approval of equipment/vehicle procurements when necessary.<br>• Hanford Site contractors shall request and provide requirements for service and those using Fleet Services shall provide report input such as the *Transportation Management Scorecard*. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 39 | P/S | Railroad Services | Coordinate service | Request service from MSC | Request service from MSC | Request service from MSC | Request service from MSC | Request service from MSC | CRD O 460.1B and applicable regulations of the Federal Railway Administration(49 CFR Parts 200-268) | Usage-based service reimbursed by the user. |
| | | | The Hanford railroad system consists of approximately 40 miles of Class II track and one signal crossing between Horn Rapids Road and the 200W Area..<br>• MSC determines requirements for future use on the Hanford Site and coordinates with Hanford Site contractors, projects, and off-Site entities prior to and during any on-site rail movements, including placement of “flaggers” at necessary intersections, taking proper security actions, and making Hanford Site notifications.<br>• Upon DOE direction, MSC shall maintain and operate the rail system on the Hanford Site.<br>• Hanford Site contractors shall request and provide requirements for service to the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 40 | S | Roads & Grounds | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC per ICD 12 - Roads | Receive service from and provide input to MSC | Receive service from and provide input to MSC (except PNNL off Hanford Site) | CRD O 430.1B, *Real Property Asset Management* | Basic service funded through MSC; provided at no cost to Hanford Site contractors. Hanford Site contractors may request additional services for facility specific services, such as, snow removal on sidewalks |

| | | | |
|---|---|---|---|
| | | | Roads and Grounds consist of road maintenance, 24/7 snow removal, traffic management, and common grounds maintenance service for the Hanford Site.<br>• MSC shall maintain primary and secondary Hanford Site roadways, to include patching/paving, striping, and other services; perform maintenance of common grounds; and make recommendations to restrict access and make the appropriate notifications of restricted access or closure to DOE and other Hanford Site contractors in the event that roads are unsafe for travel. MSC shall remove snow at primary and secondary roads and at designated facilities, parking lots, and walkways.<br>• Hanford Site contractors may request roads and grounds services for their facilities. |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 41 | P/S | Electrical Transmission, Distribution, & Energy Management | Provide service to site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC per ICD 11 - Electricity | Receive service from and provide input to MSC | Receive service from and provide input to MSC | DOE guidance on 2005 *Energy Policy Act*<br>BPA Network Integrated Transmission Service Agreement<br>DOE O 430.2A<br>Electric Reliability Standards<br>BPA Outage Planning Process | Basic service funded through MSC; provided at no cost to Hanford Site contractors. Direct, mission-related upgrade projects are sub-contracted by MSC and paid by the requesting Hanford Site contractor. |
| | | | Electrical Transmission, Distribution, & Energy Management is the management function of the high voltage electrical utility consisting of a system for providing power to the facilities at the Hanford Site.<br>• MSC externally supplies electrical power to Hanford Site contractors.<br>• MSC shall coordinate with other Hanford Site contractors to obtain the following:<br>- Energy cost and consumption data for the *Annual Energy Conservation Performance Report*.<br>- Energy cost and consumption data for the quarterly Hanford Site energy cost and consumption date entry to EMS4 database.<br>- Facility shut down constraints and impacts due to fuel reductions for the *Emergency Conservation Plan.*<br>- Facility electrical load information for the annual electrical load forecast.<br>- Other facility electrical or energy information, as needed.<br>• Hanford Site contractors shall provide input for EMS4 database, annual Energy Conservation Performance Report, Emergency Conservation Plan, and annual electrical load forecast.<br>• Hanford Site contractors may enter into a service-provider relationship with the MSC and/or other utility providers for the operation, maintenance, and/or closure of all or part of their internal utility systems.<br>• Hanford Site contractors shall protect Hanford Site systems against disruption and damage during performance of work and support Hanford Site utility operations, maintenance, and closure of a service where appropriate.<br><br><u>Notes</u>:<br>• The interface point between the MSC electrical distribution system and the Hanford Site contractors' facilities electrical system is routinely the connection at the secondary side of the building service transformer (MSC also owns the electrical meters). However, there may be some facilities where the systems interface is located at a different connection point. The interface points are identified on the electrical utility switching system diagram drawings.<br>• The 300 Area electrical substation and electrical distribution system will be owned by the RCCC. The RCCC may request MSC to operate and maintain the 300 Area substation and distribution system on a work order basis. Upon completion of the RCCC, or as directed by DOE, the substation/distribution system may be reassigned to the MSC. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 42 | P/S | Water System | Provide service to site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC per ICD 01 –Raw Water and ICD 02 – Potable Water | Receive service from and provide input to MSC | Receive service from and provide input to MSC | WAC 246-290, *Group A, Public Water Systems*<br>WAC 246-291, *Group B, Public Water Systems*<br>WAC 246-292, *Water Works Operator Certification*<br>WAC 246-294, *Drinking Water Operating Permits*<br>CRD O 430.1B, *Real Property Asset Management* | Hanford Site-wide water upgrades and Basic Service are funded through MSC; provided at no cost to site contractors. Direct, mission-related upgrade projects are paid for by the Site contractor requiring the upgrade. For water systems outside of the MSC, water system contaminant monitoring management is a usage-based service reimbursed by the user. Water permits for Hanford Site contractors' new facilities is a usage-based service. |

| | | | |
|---|---|---|---|
| | | | The Water System function is a water utility service (the geographic areas to be served are the 100, 600, and 200 Areas). The 300 Area and 100N Area water systems are within the scope of the RCCC, along with the 30-inch concrete line supplying the 100F and 100H Areas, and all distribution piping connecting to the concrete main water lines supplying the 100F, 100H, 100D, 100N, and 100B Areas.<br>• MSC shall manage the water system in accordance with agreements negotiated with the Hanford Site contractor being served and in accordance with guidance documents cited in state regulations for water systems; and maintain the existing *Water System Master Plan*. The Plan shall document a strategy for managing repairs, life extensions, replacements, and deactivations for facilities and equipment for the water systems within the scope of this contract over a ten year planning horizon.<br>• MSC shall provide a "purveyor" (per the Washington Administrative Code and other state regulations) for MSC water systems.<br>• MSC shall be responsible for all aspects of the water distribution system only up to and including the first off-valve or demarcation point outside the customer's facility or complex of facilities. The customer or facility maintains all responsibility for lines downstream of this agreed-upon point. On side-by-side multiple valve isolations and backflow assemblies, the facility assumes responsibility from the discharge side of the downstream isolation valve. For WTP, the demarcation point is the premise isolation backflow prevention at the fence line. For PFP, the demarcation point is the premise isolation backflow assembly.<br>• MSC shall perform, as requested, backflow preventer testing, water system contaminant monitoring management, and pipeline sanitization for other Hanford Site contractors (e.g., water systems outside of MSC):<br>• Hanford Site contractors shall input to the *Water System Master Plan* and negotiate agreements for water utility service.<br>• PRC shall identify priority water line upgrades which would prevent further ground water degradation; MSC shall perform priority water line upgrades to prevent further ground water degradation<br>• Upon completion of the RCCC, or at the direction of DOE, the 300 Area water system may be reassigned to the MSC.<br><br><u>Note</u>: The 100K Area and 400 Area Water Systems will be operated and maintained by the PRC. |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 43 | P/S | Sewer Systems | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Optional | Receive service from and provide input to MSC | Receive service from and provide input to MSC | WAC 246-272, 272A, 272B, *Large On-site Sewage Systems;* WAC 173-224, *Sanitary Sewers* | Hanford Site-wide sewer upgrades and Basic Service are funded through MSC; provided at no cost to Hanford Site contractors. Direct, mission-related upgrade projects are paid for by the Hanford Site contractor requiring the upgrade. Hanford Site contractors are responsible for facility-specific upgrades or new facilities sewer tie-ins under their control. Sewer permits for Hanford Site contractor new construction or project upgrades are a usage-based service. |

| | | | |
|---|---|---|---|
| | | | Sewer system operations provide sewer pumper truck services and collection of sewage through piping for treatment and disposal in subsurface soil absorption systems. The geographic areas to be served are the 600 Area and 200 Area. The 100N Area sanitary sewer system, -100 B Area, C Area, D Area, F Area, H Area, and the 200 Area ERDF sanitary sewer holding tanks, and the 300 Area sanitary sewer system are within the scope of the RCCC. Additionally, the RCCC pipes waste directly to the lagoon from the 100 Area operations.<br>• MSC shall operate the Hanford Site sanitary sewer systems, including compliance sampling; maintenance of support structures, systems, and components; and performance of sewer administration duties in accordance with the State of Washington sanitary sewer regulations.<br>• MSC shall update the existing *Sewer System Master Plan*. The Plan shall document a strategy for managing repairs, life extensions, replacements, and deactivations for facilities and equipment for the sewer systems within the scope of this contract over a ten year planning horizon and shall be updated every two (2) years.<br>• MSC shall coordinate termination of 100N lagoon use with RCCC and determine alternate disposal operations for pumped sewer system waste.<br>• Hanford Site contractors shall provide input to the *Sewer System Master Plan*.<br>• Legacy facilities that are returned to service will be treated as a base, unless special circumstances require facility upgrades.<br><br><u>Notes</u>:<br>• The 100N Area sanitary sewer system, 100 B Area, C Area, D Area, F Area, H Area, and the 200 Area ERDF sanitary sewer holding tanks, and the 300 Area sanitary sewer system are excluded from the scope of this Contract. These sewer systems are within the scope of the RCCC. Additionally, the RCCC pipes waste directly to the lagoon from the 100 Area operations. Currently, waste pumped from area sewer systems are deposited in that lagoon and are expected to be operated by the MSC until a replacement is in service. Upon completion of the RCCC, or at the direction of DOE, utilities assigned to the RCCC, may be reassigned to the MSC.<br>• The 100K Area and 400 Area sanitary sewer systems will be operated and maintained by the PRC. |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 44 | S | Sanitary Waste Management and Disposal | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Optional | Receive service from and provide input to MSC | Receive service from and provide input to MSC (PNNL on Hanford Site) | | Delivery of and disposal of sanitary waste for dumpsters is provided at no cost to Hanford Site Contractors, Delivery and disposal of sanitary waste for roll off boxes is a usage based service reimbursed by the user |
| | | | Sanitary Waste Management and Disposal function consists of waste collected from on-site dumpsters and transport to off-site landfills for disposal. This includes management and oversight of Hanford sanitary, inert and demolition waste landfills that are currently in operation or closed.<br>• MSC shall pick-up, inspect, and dispose of non-radioactive, non-hazardous dry waste.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |

**Site Business Management**

| Interface Number | Type of Interface | Activity *(Service – Mandatory and Interface)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 45 | I/S | Land-Use Planning and Management<br><br>(Service mandatory only for site selection and excavation permits) | Provide service | Request service from MSC and provide input | Request service from MSC and provide input | Request service from MSC and provide input per ICD 09 – Land for Siting | Request service from MSC and provide input | Receive service from and provide input to MSC, as applicable | CRD O 430.1B, *Real Property Asset Management* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. Excavation permits are provided as a usage-based service. |
| | | | Land-Use Planning and Management consists of land-use planning (for the Hanford Site, in general and specific parcels) and management (including day-to-day implementation of the *Comprehensive Land Use Plan [CLUP]*).<br>• MSC shall perform management of real property at the Hanford Site for DOE and coordinate the use of real property among Hanford Site contractors. MSC shall perform a range of real property activities, such as conducting land-use planning for areas and specific parcels; conducting reviews and integrating land-use requests for all new facilities, infrastructure systems, land improvements, or change of land use; conducting land management activities, including day-to-day implementation of the CLUP; managing land use requirements and beneficial reuse of land; and conducting real estate activities in the out-grant and disposal of real property or interests therein.<br>• MSC shall implement the CLUP as directed or interpreted by DOE. MSC shall assess the need for updating the existing or developing new Area Management Plans and Resource Management Plans. In coordination with other Hanford Site contractors, the MSC shall develop new plans and update existing plans where applicable.<br>• MSC shall administer and manage the Site Selection and Excavation Permit process.<br>• MSC shall monitor and assess the use of real property to assure compliance with restrictions, such as institutional controls.<br>• MSC shall manage real property by reviewing property uses, reclassifying land use and facilities, investigating and characterizing land, monitor misuse of property or encroachments, identifying orphan or unknown land uses (e.g., non-pristine land, hazards, and waste sites), dispositioning non-permitted activities; and tracking and documenting land-use occurrences and activities.<br>• Hanford Site contractors shall support the land-use planning and management program as administered by the MSC, including providing input to the Ten Year Site Plan (TYSP).<br>• MSC shall develop the TYSP for the Hanford Site in coordination with other Site contractors. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 46 | I | Long-term Stewardship | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC per ICD 09 – Land for Siting | Deliver input to MSC | N/A | Hanford Site *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) Records of Decision. Hanford Site Resource Conservation and Recovery Act (RCRA) Post Closure Plans. CERCLA 5-Year Review criteria. | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. Cost for sites transferred (post-remediated) to MSC are the responsibility of the MSC. Transition costs are the responsibility of the respective Hanford Site contractor. |

| | | | |
|---|---|---|---|
| | | | Long-term stewardship (LTS) includes all engineered and non-engineered institutional controls designed to contain or to prevent exposures to any potential residual contamination and waste, such as surveillance activities, record-keeping activities, inspections, groundwater monitoring, ongoing pump and treat activities, cap repair, maintenance of entombed buildings or facilities, maintenance of other barriers and containment structures, access control, and posting signs.<br>• Other prime contractors' role is to provide input to the MSC by preparing an LTS Transition and Turnover Package (TTP) in accordance with the approved TTP template.<br>• MSC shall provide for integrated planning of LTS for the entirety of the Hanford Site.<br>• MSC shall prepare and maintain the *Hanford Long-Term Stewardship Plan*, the *Long Term Surveillance and Maintenance Plan*.<br>• MSC shall coordinate with DOE-RL and Hanford Site contractors to compile the results of the annual Hanford Site-wide institutional controls assessment and to conduct the Hanford Site-wide *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) 5-year reviews including comment response, interim documentation, and lessons learned.<br>• MSC shall execute LTS for those portions of the Site assigned to the MSC.<br>• Hanford Site contractors provide information for the *Hanford Long-Term Stewardship Program Plan,* Long-Term Stewardship Surveillance and Maintenance Plans,*Annual NEPA Mitigation Action Plan Accomplishments*, *IC Plan,* CERCLA 5-year reviews, Site Transition Plans And annual site-wide institutional controls assessment.<br>• Hanford Site contractors will coordinate with the Hanford LTS Program Plan and provide input to the LTS Transition and Turnover Packages for a given parcel or segment of land to DOE and concurrently to the MSC.<br>• Hanford Site contractors shall coordinate with the MSC in development of CERCLA RODs including institutional controls to achieve consistency with the LTS Plan.<br>• Hanford Site contractors shall provide information for the Hanford Site Institutional Controls Plan (ICP) in accordance with Hanford Site CERCLA Records of Decisions and Hanford Site RCRA post closure plans, and RCRA Permit Corrective Action Modifications. |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 47 | I | Facility Information Management System (FIMS) | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC, as applicable | CRD O 430.1B, *Real Property Asset Management* | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | DOE uses FIMS as the Complex-wide real property database for real property which provides an inventory and management tool that assists with planning and managing real property assets. FIMS is centrally managed at DOE Headquarters.<br>• MSC shall manage the local effort for FIMS, meeting specific, annual reporting requirements and shall be responsible for collecting data from Hanford Site contractors in order to meet all mandatory reporting requirements.<br>• Hanford Site contractors deliver FIMS data and input to the *Comprehensive Data/Site Management Strategy* for spatial data. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 48 | I | Hanford Site Structures List and Hanford Waste Site Assignment List | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC per ICD 09 – Land for Siting | Deliver input to MSC | Deliver input to MSC | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The *Hanford Site Structures List (List)* and *Hanford Site Assignment List* Is the integrated, central inventory of Hanford facilities, structures, and waste sites. DOE Hanford uses these lists for integrated planning of baselines, cost-estimating, reporting DOE Gold Chart metrics, establishing assignment of responsibility for each facility and waste site to Site contractors, support to FIMS, HSTD (Hanford Site Technical Data Base), Caretaker, and WIDS. This activity provides for maintenance, configuration control, and upgrading of the Lists.<br><br>• MSC shall maintain the *Hanford Site Structures List* and *Hanford Waste Site Assignment List* serving as Administrator of the data, and is responsible for the platform for the data and Site-wide reporting.<br>• MSC shall be responsible for the Site-wide configuration control process, and shall be responsible for collecting data from Hanford Site contractors in order to meet all mandatory reporting requirements.<br>• Proposed changes in assignment of facilities must be ratified by DOE.<br><br>Hanford Site contractors deliver facilities, structures, and wastes site data and input to the *Hanford Site Structures List* and *Hanford Waste Site Assignment List*.<br><br>The Hanford Site contractors shall provide data and support to the MSC, for the Hanford Sites contractor's facilities, waste sites and activities, to support maintenance of the *Hanford Site Structures List* and *Hanford Waste Site Assignment List*, Hanford Site contractors supplying information/ data are responsible for data quality. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 49 | I | Condition Assessment Surveys (CAS) | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | CAS is used to assess the current material condition of its facilities, structures, systems, and equipment, and documents maintenance deficiencies. The assessment information for each assessed item is entered into the Condition Assessment Information System (CAIS), which provides an estimate of maintenance upgrade costs.<br>• MSC shall manage the Hanford Site CAS/CAIS and provide for the administration of and execution of the CAS inspection program in order to accurately evaluate the existing state of specific facilities and identifying the deferred maintenance liability.<br>• MSC shall coordinate all of the necessary inspection activities with the various site contractors that have eligible facilities for CAS inspections.<br>• MSC shall make the CAS data available to the mission contractors.<br>• Hanford Site contractors shall enable access to MSC for conducting on-site condition assessments. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 50 | I/S | Geospatial Information Management | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Receive service from and provide input to MSC, as applicable | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. Hanford Site contractors may request business-specific map services as a usage-based service. |
| | | | Geospatial Information (relates the visualization, measurement, and analysis of features or phenomena that occur on the earth) supports the execution of requirements for worker health, land use planning, emergency response, etc., and is available to all Hanford Site contractors.<br>• MSC shall develop and implement a comprehensive *Hanford Geospatial Information Strategy and Implementation Plan (H-GIS)* to ensure that all spatial data, information and documentation required for accomplishing the Hanford Site missions are captured, managed, and preserved.<br>• The MSC shall provide general and business-specific Hanford Site maps, and act as a central geospatial clearinghouse to coordinate, capture, manage, and share geospatial information, including management of the Hanford Geographical Information System (HGIS).<br>• Hanford Site contractors deliver data to MSC and input to *Comprehensive Data/Site Management Strategy* for spatial data. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 51 | I/S | Property Systems/-Acquisition & Materials Management | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | Optional | Optional | Receive service from and provide input to MSC, as applicable (PNNL DOE-EM owned equipment) | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs and any costs associated with delivery of excess materials to the central recycling and turn-over of excess property for disposition |
| | | | Property Systems/Acquisition & Materials Management consists of Site-wide processes and procedures for centralized personal property management functions, such as recycling of precious metals and processing equipment that is no longer needed through the excess property system. Tracking of all DOE-owned, Contractor-managed property (Site-wide) is accomplished by means of decentralized data entry into the primary property management site-wide database (Sunflower Asset Management System [SAMS]). The Program also manages the centralized storage and staging of equipment and inventory through the use of various on-Site warehouses.<br>• MSC shall provide a Site-wide Personal Property Systems and Materials Management Program that provides for tracking of accountable personal property, management of the property management database (Sunflower Asset Management System [SAMS], including providing Site-wide property management reports) and other related systems; central recycling; excess property dispositioning; and equipment transfers and loans.<br>• MSC shall manage the (on-site) “stores” inventory warehouses. As required, the MSC shall provide for delivery of inventory items to on-Site locations managed by other contractors. MSC shall manage the supply chain, and evaluate Site-wide demand, usage trends, and programmatic requirements to act as lead in the reduction of existing line item site inventory to the lowest achievable levels.<br>• Hanford Site contractors deliver input to MSC to include warehouse requirement needs, Property Information Data Systems (PIDS) data, and Contractor Balanced Scorecard Report data; and deliver property no longer required. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | Pension and Savings Committee | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | I | Hanford Site Pension Plan (HSPP)<br><br>Hanford Site Savings Plan (HSSP)<br><br>Hanford Employee Welfare Trust (HEWT) | Receive input from sponsoring Site contractors and provide to MSC | Sponsor and receive input from Pension and Savings Committee | Sponsor and deliver input to Pension and Savings Committee | Sponsor and deliver input to Pension and Savings Committee | Sponsor and deliver input to Pension and Savings Committee, HSPP only | Sponsor and deliver input to Pension and Savings Committee | PNNL Sponsor and deliver input to Pension and Savings Committee | *Employee Retirement Income Security Act*<br>Financial Accounting Standards<br>Internal Revenue Code<br>Internal Revenue Service Regulations<br>FAR 31.205<br>DEAR 970.3102-2 | MSC bears the cost burden of program administration. Contributions are allocated to the participating sponsors (Hanford Site contractors) |
| | | | • MSC shall provide administration for the HSPP, HSSP, and HEWT.<br>• Hanford Site participating sponsors provide funding and deliver input to the Pension and Savings Committee whose decisions are provided to the MSC. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 53 | I/S | External Affairs | Provide service and receive support from Site contractors | Support MSC | Support MSC | Support MSC | Support MSC | Support MSC as applicable | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | External Affairs includes assistance to DOE in its programs to communicate with outside entities for Hanford Site tours.<br>• MSC shall work with DOE to strategize, plan, arrange logistics for and conduct or support Hanford Site tours and visits to projects/facilities by external parties as requested.<br>• MSC shall provide transportation, badging coordination, working with other Site contractors, as needed, and providing guides/speakers, handouts, and refreshments, as appropriate or as requested.<br>• Hanford Site contractors shall provide technical staff support to MSC when their facilities or waste sites are visited, to include guides/speakers, and handouts, when the tour involves respective Hanford Site contractor workscope.<br>• MSC shall support DOE's management of the Hanford web site. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 54 | I | External Reviews | Receive support from Site contractors | Support MSC | Support MSC | Support MSC | Support MSC | Support MSC as applicable | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | External Reviews provides support to DOE during audits and assessments from outside entities having oversight responsibility for DOE-RL and DOE-ORP and their contractors. These entities include the Defense Nuclear Facilities Safety Board, the Government Accountability Office, the DOE Office of Inspector General, and other governmental and Department of Energy oversight organizations, such as the Office of Health, Safety, and Security and Office of Enforcement.<br><br>• The MSC shall support DOE-RL and DOE-ORP in hosting staff from auditing and assessing organizations, providing or coordinating required presentations, responding to information requests, and by providing required subject matter experts to respond to questions and information requests.<br>• Hanford Site contractors shall provide support to MSC, as directed by DOE, in their External Reviews responsibilities. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 55 | S | Courier Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC, as applicable | | Usage-based service reimbursed by the user. |
| | | | Courier services for the Hanford Site includes delivery and pickup of miscellaneous items, such as calibrated instruments, medical samples, equipment to be repaired, and essential (time-sensitive, critical) documents.<br>• MSC shall provide transportation of priority or time-sensitive documents, medical samples or supplies (i.e., serum, blood samples, medical records, etc.), calibrated instruments, new or used office machines to and from repair facilities, and pickup and shredding of classified documents.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Large Volume: Mandatory; Convenience Copiers: Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 56 | S | Reproduction Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Optional | Optional | Optional service (except DOE) | | Usage based Service reimbursed by the user. |
| | | | Reproduction Services provides large volume document reproduction services and manages the convenience copier contract. Reproduction includes duplication of paper ,digitally transmitted documents, and engineering drawings; high volume copying services; color copies; forms reproduction; special bindings; tabbing, etc.<br>• MSC shall provide printing, duplicating, binding, and reproduction services for the Hanford Site.<br>• Hanford Site contractors shall be responsible for identifying convenience copier locations to the MSC and for costs incurred to utilize equipment provided through the MSC copier contract.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Optional Standards - Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 57 | S | Multi-media Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC | Receive service from MSC, as applicable | Hanford Site Multimedia Standards | Usage based Service reimbursed by the user. |
| | | | Multi-media Services provides for the development, production, or acquisition of photos, videotapes, movies, audio productions, and other similar types of media.<br>• MSC multi-media organization shall be a centralized resource for the Hanford Site. The Contractor shall establish the standards and written procedures that shall be used by all Hanford Site Contractors and DOE to inventory photographs, videos, etc, identified as records. The standards/procedures shall direct that all photos, videos, etc. taken or acquired are indexed, and that the images/photos are merged into a Hanford Site archive or clearinghouse.<br>• MSC shall conduct aerial photography of the Hanford Site (e.g., monthly), as directed by DOE.<br>• Whether using MSC, or procuring outside services, Hanford Site contractors shall:<br>- Comply with Hanford Site multi-media standards;<br>- Provide multi-media records to the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 58 | S | Mail Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Receive service from MSC, as applicable | Receive service from MSC, as applicable | DOE G 573.1-1, *Mail Services Users Guide* 41 CFR 102–192, *Mail Management* U. S. Postal Services *Domestic Mail Management* and *International Mail Management* | Funded through MSC; provided at no cost to Hanford Site contractors. |
| | | | Mail Services for the Hanford Site includes delivery to major building/locations and relies on the serviced organization/company to deliver mail to individuals within their respective organizations.<br>• MSC shall provide for basic mail services, including postage fees, pickup and delivery of interplant and U.S. Postal mail to customers. The work scope includes the pickup, routing and delivery of interplant mail (i.e., mail that does not leave the Hanford Site).<br>• MSC shall distribute and pickup mail at defined locations in the contractor's facilities.<br>• Hanford Site contractors shall be responsible for mail distribution to contractor staff within their facility. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 59 | S | Site Forms Management | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | N/A | Receive service from MSC (only DOE) | | Funded through MSC; provided at no cost to Hanford Site contractors. |
| | | | Site Forms Management consists of a centralized and configuration-controlled forms management program that applies consistent design and utilizes the use of electronic forms in gathering of electronic record information to electronic records systems.<br>• MSC shall administer the Hanford Site forms management system and process, and design electronic forms for interactive use, as well as, conventional hard copy forms. MSC shall develop/design/revise/approve electronic and hard copy forms, eliminate obsolete or duplicate forms, maintain Site forms historical records, and maintain the system for centralized configuration management of site electronic and conventional hard copy forms. Development of forms shall be coordinated with the sponsor and its users.<br>• Hanford Site contractors may request and provide requirements for service.<br>• Hanford Site contractors are allowed to create and maintain unique forms relevant solely to their internal use, unless otherwise prohibited by Site policy. | | | | | | | |

| Information Resources/Content (Records) Management (IR/CM) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 60 | I | Strategic Planning & Program Management | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | N/A | N/A | Receive service from MSC, as applicable | *Clinger-Cohen Act*<br>OMB A-11, A-300<br>all applicable Federal Information Technology requirements | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Strategic Planning & Program Management assesses the current IR/CM technology infrastructure, systems, applications, and business practices and provides recommendations for improving the scalability and reducing the life-costs over the current approach.<br>• MSC shall develop a *Computing and Telecommunications Strategic Plan.*<br>• PRC and TOC shall provide input to the *Computing, Telecommunications, and Content (Records) Management Strategic Plan*. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 61 | S | Telephone Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Optional | Optional | Receive service from MSC, as applicable | | Usage based service reimbursed by the user |
| | | | Telephone Services function consist of the Hanford Site Telephone Exchange activities that encompass voice, data, special circuits, 9-1-1 support, and attendant/operator services to Hanford Site programs, projects, and support organizations.<br>• MSC shall provide and maintain telecommunications capability and capacity sufficient to meet the needs of the Hanford site, encompassing those systems required to maintain data transmissions, including local, state, national, and international subscribers; data and network circuits; off-premise stations; telephone service to offsite offices occupied by Hanford Site end-users; alerting systems; and other miscellaneous voice and data circuits.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Optional, except Emergency Response, which is Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 62 | S | Pager Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Receive service from MSC | Receive service from MSC, as applicable | | Usage-based service reimbursed by the user. |
| | | | Pager Services provides the electronic network and devices for Hanford Site paging.<br>• MSC shall provide maintenance, operations and account administration of the Government-owned Hanford Site pager infrastructure and commercial pager services, including site, regional and national paging services.<br>• MSC shall provide system designs, integration, maintenance, frequency management, associated engineering services, and support to manage regional, international, and nonstandard inventory for pager replacement parts.<br>• Hanford Site contractors may request and provide requirements for service. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 63 | S | Radio Services for Crafts | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Receive service from MSC | Receive service from MSC, as applicable | National Telecommunications and Information Administration requirements | Usage-based service reimbursed by the user. Equipment (radios, antennas, etc., costs are the responsibility of the Hanford Site contractor |
| | | | Radio Services for Crafts provides radio communication infrastructure and licensing.<br>• MSC shall provide engineering, maintenance and operations of non-emergency radio communication services, including associated infrastructure.<br>• MSC shall manage radio spectrum licensing and design, engineering integration, operations and maintenance, installation, upgrade and required system calibration services, and registration of radio frequencies with the National Telecommunications and Information Administration.<br>• Hanford Site contractors shall request and provide requirements for service. If procuring radios, the contractor must comply with Hanford Site specifications. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 64 | S | Radio Services for Emergency Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Receive service from MSC | Receive service from MSC, as applicable | National Telecommunications and Information Administration requirements | Funded through MSC; provided at no cost to Hanford Site contractors. Equipment (radios, antennas, etc.) costs are the responsibility of the Hanford Site contractor |
| | | | Radio Services for Emergency Services provides radio communication infrastructure and licensing.<br>• MSC shall provide engineering, maintenance and operations of radio communication services, including two-way, fire dispatch, safety and emergency preparedness, security systems and infrastructure.<br>• MSC shall manage radio spectrum licensing and design, engineering integration, operations and maintenance, installation, upgrade and required system calibration services, and registration of radio frequencies with the National Telecommunications and Information Administration.<br>• Hanford Site contractors shall:<br>- Follow Hanford Site radio frequency policy and use the MSC for radio spectrum licensing; and<br>- Request and provide requirements for service. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 65 | S | Network Services | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | Optional | Optional | Optional, except DOE | CRD M 470.4-2, *Physical Protection* | Usage based service reimbursed by the user |
| | | | Network Services consist of the Hanford Local Area Network (HLAN) information infrastructure used by DOE-RL, DOE-ORP and Hanford Site contractors for intranet and internet services.<br>• MSC shall operate and maintain the HLAN information/communication infrastructure including Application Hosting Services, Internet Support, Maintenance and Software License Management, Technology Support for Hardware and Software, network management and maintenance, desktop/user services, hardware maintenance, work station acquisition, redeployment and retirement, engineering and configuration, software distribution, and streaming video engineering services. The MSC will also provide HLAN infrastructure maintenance.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 66 | S | Information Systems | Provide service to Site contractors | Receive service from MSC | Receive service from MSC | N/A | Optional | Optional except DOE | | Funded through MSC; provided at no cost to Hanford Site contractors. Hanford Site contractors may request additional services as a usage-based service. |
| | | | Information Systems provide integrated business, technical, and project information systems including management and performance of steady state operations, maintenance, development and enhancements for Hanford Site data systems, and support to project and business functions.<br>• MSC provides database management, video-teleconferencing (VTC) support services, software and systems engineering, system development, systems operations and maintenance (O&M), software testing, software configuration management, and application hosting services.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Site-wide System – Mandatory Inventory & Scheduling Service - Optional)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 67 | I/S | Federal Records Inventory and Schedule Management | Provide service to and receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Optional | Deliver input to MSC | Deliver input to MSC, except PNNL | Various DOE directives and National Archives and Records Administration (NARA) regulations | Funded through MSC; provided at no cost to Hanford Site contractors. Optional service reimbursed by the user. |
| | | | Inventory and Schedule Management provides the Hanford Site-wide RIDS database for inventorying and scheduling all Federal records for MSC and for designated contractors including those documenting the missions, programs, projects and all administrative functions. This work addresses all records (and non-records) originated or held by any of the covered contractors and includes records in all media, including electronic systems, databases, spreadsheets, microform, photo/negatives, hard copy paper, and all other formats and media.<br>• MSC shall provide Hanford Site-wide RIDS database for Hanford Site Federal records.<br>• Other Hanford Site contractors shall provide RIDS database information. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 68 | S | Major Collection Management | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC (Optional) | Optional | Deliver input to MSC, except PNNL | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Major Collection Management provides continued maintenance of significant collections of records. Examples of major collections include engineering drawings, photographs/negatives, videotapes, etc.<br>• MSC shall ensure that records in identified collections are indexed, authenticated, metadata complete, and are accessible to those that have a business requirement.<br>• Hanford Site contractors shall meet the requirements of Major Collection Management as administered by the MSC. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC *(Service Provider)* | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 69 | S | Long-Term Records Storage | Provide service to Site contractors | Receive service from and provide input to MSC | Receive service from and provide input to MSC | N/A | Optional | Receive service from and provide input to MSC | Various DOE and NARA regulations, including 36 CFR 1228. | MSC bears the cost burden of program administration |
| | | | Long-Term Records Storage provides for physical storage of over 110,000 cubic feet of records in various hard copy medium (paper, photographs, video, tapes, etc.).<br>• MSC shall provide long-term physical storage for paper and other hard copy media records and maintain information systems to manage that collection.<br>• Hanford Site contractors shall coordinate with MSC for pickup of records. | | | | | | | |

| Portfolio Management | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 70 | I | Hanford Portfolio Planning, Analysis & Performance Assessment *(Integrated Hanford Life-Cycle Clean-up Plan; [Hanford] Programmatic Risk Management Plan; P6 schedules, and State of the Site briefing)* | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC, except PNNL and DOE | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Hanford Portfolio Planning, Analysis & Performance Assessment consists of support to DOE-RL and DOE-ORP in maintaining the *Integrated Hanford Life-Cycle Clean-up Plan* that optimizes the mission life-cycle, enabling DOE to ensure cost and schedule efficiency while adequately anticipating and managing programmatic risk.<br>• MSC shall perform Hanford Site portfolio integration, provide simulation and optimizing analysis tools, and coordinate and assist with integrated scheduling and performance evaluation.<br>• MSC shall develop an *Integration Issues Management Plan,* provide *Hanford Portfolio Planning,* develop and maintain an *Integrated Hanford Life-Cycle Clean-up Plan,* and shall evaluate project and program performance against the *Integrated Hanford Life-cycle Baseline*.<br>• Hanford Site contractors shall provide information to the MSC as necessary to complete the Hanford Portfolio Planning, Analysis & Performance Assessment activities. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 71 | I | Project Acquisition and Support | Receive Critical Decision data and information from PRC and TOC | Deliver data and info. to MSC | Deliver data and info. to MSC | N/A | N/A | N/A | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Project Acquisition and Support includes project initiation, design, construction, and/or procurement services to DOE and as an optional service to Hanford Site contractors.<br>• As directed by DOE, MSC shall provide the means to enable DOE to perform its project owner management responsibilities, in the areas of planning and procurement actions for new projects, by supporting the Critical Decision (CD) 0 through CD-1/2 phase of new project life-cycles and, when requested, act as project lead in support of the CD-3 and 4 phase of new projects.<br>• Hanford Site contractors shall provide Critical Decision data and information to the MSC as directed by DOE. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 72 | I | Independent Assessment and Analysis | Receive input from Site contractors | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC | Deliver input to MSC, except PNNL and DOE | | MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Independent Assessment and Analysis provides to DOE a capability for ensuring that work is being accomplished in accordance with ESH&Q requirements, or to accomplish special DOE studies and obtain recommendations on an as needed basis to resolve technical and regulatory issues.<br>• As directed by DOE, MSC shall provide specialty technical expertise, on a task-order basis, for areas such as project management, project control, cost estimating and scheduling, environmental, safety, quality and health, quality assurance, criticality, nuclear safety, radiological control, fire protection, environmental protection, regulatory compliance, Integrated Safety Management System, etc., and conduct independent analyses and generate technical assessment reports as needed in these areas.<br>• Hanford Site contractors shall provide data and facility access to the MSC as required by the Independent Assessment and Analysis activity. | | | | | | | |

## PRC SERVICES AND INTERFACE ACTIVITIES

### Solid and Liquid Waste Stabilization and Disposition

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 73 | I | Waste forecast system - Solid Waste Information and Tracking System (SWITS) and Solid Waste Integrated Forecast Technical Database (SWIFT) | Provide data to PRC | Receive data from Site contractors | Provide data to PRC | Provide data to TOC | Provide data to PRC | Provide data to PRC, except DOE | Solid Waste Information and Tracking System (SWITS) – database requirements | PRC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs. |
| | | | Waste forecast system identifies future quantities of hazardous and radioactive waste generation for wastes managed by the contract.<br>• PRC shall operate and maintain SWITS and SWIFT, and make available to other Site contractors.<br>• Hanford Site contractors shall provide waste generation data. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC (Service Provider) | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 74 | P | Low Level Waste (LLW) and Mixed Low Level Waste (MLLW) Treatment, Storage, and Disposal | N/A | Receive waste | Package and deliver to PRC | Provide waste to TOC | Package and deliver to PRC | Package and deliver to PRC, except DOE | HNF-EP-0063, *Hanford Site Solid Waste Acceptance Criteria*<br>HNF-25842, *Solid Waste Operations Complex (SWOC) Authorization Agreement (AA)* | -PRC provides ready-to-serve capability. Waste generators provide funding for packaging, treatment, transport (including unloading), storage, and disposal<br>-RCCC only pays for treatment, packaging, and transport.<br>-TOC pays WTP waste disposal costs. |
| | | | This activity provides for LLW and MLLW Treatment, Storage, and Disposal.<br>• PRC shall perform waste unloading, receipt, storage, and disposal of LLW and MLLW.<br>• Hanford Site contractors prepare waste, including packaging and treatment, and provide for waste transport. | | | | | | | |

| WIPP CORE CHARACTERIZATION PROJECT SERVICES AND INTERFACE ACTIVITIES | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Transuranic Waste Characterization and Certification** | | | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | WIPP Core Characterization Project (CCP) *(Service Provider)* | PRC | TOC | MSC and WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 75 | I/P/S | Transuranic (TRU) and Transuranic Mixed Waste (TRUM) Packaging, Characterization, Certification, and Transportation | Performs all Hanford TRU Waste Characterization and Certification activities. | Provides support to CCP characterization and certification activities. Receives waste from site users. | Package and deliver TRU to PRC | N/A | Package and deliver TRU to PRC | Except DOE, package and deliver TRU to PRC. | *Hanford Site Solid Waste Acceptance Criteria* (HSSWAC) (HNF-EP-0063) DOE/WIPP-02-3122, Rev.1, *Contact-Handled Transuranic Waste Acceptance Criteria for the Waste Isolation Pilot Plant* HNF-25842, *Solid Waste Operations Complex (SWOC) Authorization Agreement (AA)* | - PRC provides ready-to-serve capability for TRU waste receipt, storage, and repackaging.<br>- Waste generators provide funding to PRC for the increment of work resulting from their waste<br>- RCCC pays only for TRU treatment and packaging, and TRU transport to PRC. |

| | | | |
|---|---|---|---|
| | | | This activity provides forTRU andTRUM certification and loading waste for shipment to the Waste isolation Pilot Plant (WIPP)<br><br>• PRC shall receive waste from contractors, provides interim storage if required, certifies waste for shipment, prepares payloads, and loads waste for shipment to WIPP or other DOE Sites.<br>• Hanford Site contractors shall conduct and budget for packaging (if required by WAC) and transporting waste to PRC, and certify for WIPP and load waste for shipment to WIPP or other DOE Sites.<br>• CCP will provide, operate, and maintain RTR equipment, drum assay equipment, large box NDE/NDA equipment (if needed), and mobile loading equipment.<br>• CCP will operate and maintain the Hanford Super-HENC equipment for Standard Waste Box (SWB) assay.<br>• CCP will operate the Shipping and Receiving Bay within WRAP for TRUPACT loading. PRC will operate and maintain the balance of the WRAP facility.<br>• CCP will provide the equipment for and perform head space gas sampling (HSGS) and analysis.<br>• CCP will establish and implement appropriate ESH&Q programs to support CCP activities.<br>• PRC will perform initial (in-field) assay of retrieved waste, as necessary, to segregate TRU from non-TRU waste.<br>• PRC will perform all waste repackaging activities.<br>• PRC will provide facility records, packaging records, and other documents necessary for CCP to prepare waste certification packages.<br>• PRC will provide the necessary public release clearances for CCP generated documents.<br>• PRC will provide the infrastructure to support installation and operation of the CCP-provided RTR equipment, drum assay equipment, and mobile loading equipment.<br>• PRC will provide the facility and infrastructure to support the installation and operation of the large box NDE/NDA equipment, if needed.<br>• PRC will provide mobile crane and crane operator support for CCP mobile loading equipment.<br>• PRC shall receive TRU waste from other site users and provide interim storage if required.<br>• PRC will identify ESH&Q interfaces with CCP.<br>• Other Hanford Generators of TRU waste will provide TRU waste to PRC that complies with WIPP waste acceptance criteria. |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC (Service Provider) | TOC | WTP | RCCC (Service Provider) | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 76 | P | Industrial and Radioactive Liquid Effluents Treatment and Disposal and Industrial Liquid Effluents Retention and Transfer | N/A | Receive from TOC, WTP and RCCC | Deliver to PRC | Deliver to PRC | Administration of 300 Area Effluent Discharge Permit, Deliver to PRC | Deliver to PRC or RCCC as applicable, except DOE | Per facility safety analysis and waste acceptance criteria. For WTP, Section C.9 ICD 6 of DE-AC27-01RV14136 and City of Richland Industrial Waste Water Permit No. CR-IU010. | Funded through PRC; provided at no cost to Hanford Site contractors |
| | | | This activity provides for treatment and disposal of radioactive liquid effluents in the 200 Area and retention and transfer of industrial liquid effluents in the 300 Area.<br>• PRC shall operate the Effluent Treatment Facility (ETF), Liquid Effluent Retention Facility (LERF), 200 Area Treated Effluent Disposal Facility (TEDF), and the State Approved Land Disposal Site (SALDS) to receive, treat, and dispose of industrial and radioactive liquid effluents from Site contractors in the 200 Areas. RCCC is responsible for overall management of the 300 Area combined sanitary/process sewer (CS) that discharges to the City of Richland Publicly Owned Treatment Works and administrative duties associated with Permit No. CR-IU010.<br>• PRC shall operate the 300 Area Retention Transfer System (RTS) to receive, and retain industrial liquid effluents from Site contractors in the 300 Area and discharge compliant effluent to the CS.Hanford Site contractors shall send waste to PRC and RCCC facilities. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 77 | P | Immobilized High Level Waste (IHLW) Interim Storage | N/A | Receive from TOC | Transport to PRC | Provide filled IHLW canisters for TOC transport | N/A | N/A | (HNF-29132), Rev. 0, *Canister Storage Building and 200 Area Interim Storage Area Authorization Agreement*<br>61 FR 10736, March 15, 1996, Doc. 96-6291<br>DOE/RW-0351 Rev 3, *Waste Acceptance System Requirements Document, E000000000-00811-1708-0001, Rev 03* | PRC funds ready to serve operations of the CSB. Modifications to CSB or construction of other storage capability funded by TOC. |
| | | | This activity provides for storage of IHLW.<br>• PRC shall operate and maintain the Canister Storage Building.<br>• TOC and PRC shall coordinate on modifications of the CSB for receipt of the IHLW. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC (Service Provider) | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 78 | P | Immobilized low activity waste (ILAW) Disposal | N/A | Receive from TOC and dispose | Deliver to PRC | Deliver to TOC | N/A | N/A | Documented Safety Analysis Integrated Disposal Facility Waste Acceptance Criteria [to be developed] | PRC provides ready-to-serve capability; waste generators provide funding to PRC for the increment of work resulting from their waste |
| | | | This activity provides for disposal of ILAW.<br>• PRC shall operate the Integrated Disposal Facility and receive/dispose waste.<br>• TOC shall prepare and provide for transportation of ILAW to the IDF for disposal. | | | | | | | |

| Groundwater and Vadose Zone Project | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Service – Mandatory and Interface)* | MSC | PRC (Service Provider) | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 79 | I/S | Groundwater/Vadose Zone Integration | Deliver to PRC | Receive from Site contractors | Deliver to PRC | N/A | Deliver to PRC | N/A | | PRC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | The Groundwater/Vadose Zone Integration activity maintains and controls site-wide data and models used for groundwater/vadose zone analysis and coordinates site-wide groundwater/vadose zone activities.<br>• PRC shall conduct the groundwater/vadose zone integration project.<br>• Hanford Site contractors shall participate in PRC periodic planning and coordination meetings; and deliver modeling and risk assessment information. Mission contractors shall provide comments on the annual update to the *Integrated Plan and Schedule for all soil and groundwater work*, and the annual *Groundwater Monitoring Report*.<br>• Hanford Site contractors shall supply groundwater analysis requirements and reporting of risk assessment data and analysis, input for the Fiscal Year Integrated Groundwater Monitoring Plan for the Hanford Site, comments on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) Groundwater and Deep Vadose Zone Remediation Activity Progress Reports.<br>• Hanford Site contractors shall provide data/information to PRC on self-performed drill and sample soil borings that yield additional vadose zone characterization data, | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory and Interface)* | MSC | PRC (Service Provider) | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 80 | I/S | Hanford Environmental Data Integration | N/A | Receive from TOC,RCCC, and other Site contractors | Deliver input to PRC | N/A | Deliver input to PRC | Deliver input to PRC, except DOE | | PRC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | This activity provides for maintenance, configuration control, and upgrading of key Hanford Site environmental assessment databases.<br>• The PRC shall serve as Data Manager for the following information systems:<br>- Hanford Environmental Information System (HEIS);<br>- Sample Data Tracking (SDT) System;<br>- Hanford Well Information System (HWIS);<br>- Waste Information Data System (WIDS).<br>• The Hanford Site contractors shall provide data and support to the PRC, for the Hanford Sites contractor's facilities and activities, to support maintenance of the above listed Hanford-wide environmental databases. Hanford Site contractors supplying information/ data are responsible for data quality. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 81 | I | Hanford Site Well Drilling and Decommissioning | Coordinate with PRC | Coordinate with TOC, RCCC, MSC, and other Site contractors | Coordinate with PRC | N/A | Coordinate with PRC | Coordinate with PRC | | PRC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | This activity includes drilling and decommissioning of Hanford Site wells.<br>• PRC shall coordinate with the mission contractors during the installation and maintenance of wells for the groundwater monitoring well network and maintain and implement the *Hanford Site Well Decommissioning Plan.*<br>• Hanford Site Contractors shall provide input for the *Hanford Site Well Decommissioning Plan.* | | | | | | | |

| Spent Nuclear Fuel | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 82 | P | Special Nuclear Fuel (SNF) Fragments Transportation | N/A | Receive from RCCC | N/A | N/A | Transfer to PRC | N/A | | PRC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | SNF fragments are safely stored.<br>• RCCC shall package SNF fragments and transport to PRC.<br>• PRC shall receive packaged SNF fragments from RCCC. | | | | | | | |

## TOC SERVICES AND INTERFACE ACTIVITIES

### Base Operations

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 83 | I | Tank Farm Projects Double Shell Tank (DST) System Management | N/A | N/A | Integrate with WTP | Deliver input to TOC | N/A | N/A | | TOC bears the cost burden of program administration. |
| | | | DST System Management maintains acceptable waste feed specifications for future waste feed delivery to the WTP while also maximizing use of available DST space to facilitate single-shell tank waste retrieval and any in-tank treatment to preserve tank integrity and improve waste feed characteristics.<br>• TOC shall integrate with the WTP contractor, develop the *Integrated Waste Feed Delivery Plan,* and the *River Protection Project System Plan*, and operate the DST system.<br>• WTP shall provide input for feed delivery integration. | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC | TOC *(Service Provider)* | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 84 | S | Vent and Balance | Receive service from TOC | Receive service from TOC | Provide service to PRC, RCCC, and MSC | N/A | Optional | N/A | | Usage based Service reimbursed by the user |
| | | | Vent and Balance provides as a variable service, testing of ventilation and filters, and ventilation balance to maintain established flows and pressures on systems. Specifics include ventilation stack flow testing, fume hood flow testing, high efficiency particulate air (HEPA) filter vacuum testing/certification and HEPA filter efficiency testing.<br>• TOC shall perform cost-effective/efficient Vent and Balance services (primarily HEPA filter testing and replacement) for RPP facilities and for the balance of the Hanford Site.<br>• PRC MSC, and RCCC (optional user) shall request and provide requirements for service. | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | ASPC | MSC | PRC | TOC (Service Provider) | WTP | RCCC | Other Site Users | Require ments | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | S | Analytical Laboratory Support *(Landlord Services for 222-S Laboratory Complex)* | Receive service from TOC | N/A | N/A | Provide service to ASPC | N/A | N/A | N/A | | Funded through TOC; provided at no cost to Hanford Site contractors. |
| | | | Analytical Services are performed by the Analytical Servicesand Testing Contractor (ASTC), a separate prime contractor to DOE-ORP, while laboratory facility operations and maintenance are performed by the Contractor.<br>• TOC shall operate and maintain the 222-S Laboratory Complex to support analysis activities performed by the ASTC.<br>• ASTC will provide input and coordination to support operations. | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Interface)* | ASPC | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Require ments | Cost Allocations |
| 86 | I | Analytical Integrated Planning (*222-S Laboratory Complex*) | Provide data to TOC | N/A | Provide data to TOC | Integrate data | Provide data to TOC | N/A | N/A | | TOC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs |
| | | | Analytical Integrated Planning provides integrated Site-wide analysis plans, data quality objectives, and process and analytical technology support.<br>• TOC shall interface with the ASTC to develop sample analysis rates and waste generation estimates.<br>• Hanford Site contractors shall use integrated planning products to plan sample analysis expenditures.<br>• Hanford Site contractors shall provide input to support sample analysis planning. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Interface)* | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 87 | I | Tank Closure and Waste Management Environmental Impact Statement (EIS) and Record of Decision (ROD) | Deliver input to DOE-ORP | Deliver input to DOE-ORP | Deliver input to DOE-ORP | N/A | N/A | N/A | Per EIS Project Plan | Hanford Site contractors bear the cost of their respective resources for this activity |
| | | | *Tank Closure and Waste Management EIS and ROD* is a regulatory requirement supporting Hanford Site closure activities. DOE is currently preparing the Tank Closure and Waste Management (TC & WM) Environmental Impact Statement (EIS). The TC & WM EIS is evaluating options for managing and disposing of waste, supplemental treatment, tank closure and establishing final end states for the Fast Flux Test Facility (FFTF) at Hanford. These decisions are expected to be applied to the related programs after 2009.<br><br>• DOE-ORP will develop the *Tank Closure and Waste Management EIS and ROD.*<br>• Hanford Site contractors shall provide input to the *Tank Closure and Waste Management EIS and ROD.* | | | | | | | |

| Waste Treatment and Immobilization Plant Support | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Interface Number | Type of Interface | Activity *(Service – Mandatory and Interface)* | MSC | PRC | TOC (Service Provider) | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 88 | I/S | WTP Support | Provide services to WTP | Provide services to WTP | Coordinate and provide services to WTP | Receive service from and provide input to TOC | N/A | N/A | ICD 1, *Raw Water*<br>ICD 2, *Potable Water*<br>ICD 3, *Radioactive Solid Wastes*<br>ICD 5, *Non-Radioactive, Non-Dangerous Liquid Effluents*<br>ICD 6, *Radioactive Dangerous Liquid Effluents*<br>ICD 9, *Land for Siting*<br>ICD 11, *Electricity*<br>ICD 12, *Roads*<br>ICD 14, *Immobilized High-Level Waste*<br>ICD 15, *Immobilized Low-Activity Waste*<br>ICD 19, *Low-Activity Waste Feed*<br>ICD 23, *Waste Treatability Samples*<br>ICD 28, *Pit 30 Aggregate Supply for Construction*<br>*ICD 29, Waste Sodium* | Hanford Site Contractors bear internal costs associated with WTP ICD participation, review and approval. |
| | | | WTP interface provides support for WTP construction.<br>• MSC, PRC, and TOC will participate with WTP in the revision and approval of WTP ICDs.<br>• TOC shall be responsible for coordinating, planning and paying for the WTP contractor's requirements for infrastructure, utility, and service support from the MSC and PRC as identified in the J-3 Hanford Site Services and Interface Requirements Matrix.<br>• ICDs identify interface requirements, technical and service gaps, and document issues in order to support efficient and timely construction, startup, commissioning, and operation of WTP. ICDs do not represent contractual obligations between the executing parties or the government.<br>• WTP shall maintain WTP Interface Control Documents. | | | | | | | | |

## OTHER DOE DIRECT-CONTRACTED SERVICES

| Interface Number | Type of Interface | Activity *(Service - Optional)* | Janitorial Service Contractor (Service Provider). | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 89 | S | Janitorial Service | Provide service to Site contractors | Receive service | Receive service | Receive service | N/A | Receive service | Receive service | | General and Administrative (G&A) cost for each contract |
| | | | The Janitorial Service Contractor provides janitorial services for certain buildings in the 600, 700 and 1100 Areas of the DOE-RL, Richland, Washington. Services include light cleaning, high cleaning, and special services, as needed. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Optional)* | Laundry Services Contractor (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 | S | Laundry Service | Provide service to Site contractors | Receive service | Receive service | Receive service | Optional | Receive service | Receive service | | Fee for service |
| | | | The Laundry Services Contractor provides for commercial laundry and decontamination services for government-owned protective clothing, non-regulated items, and regulated face pieces. This service includes periodic batch pick-up and drop-off at site locations. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | OHSC (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 91 | S | Occupational Medicine Service | Provide service to Site contractors | Receive service | Receive service | Receive service | N/A | Receive service | Optional service | | Fee for service |
| | | | The Occupational Health Services Contractor (OHSC) under a separate prime contract to DOE-RL to provide occupational health services through health risk management and occupational health services to personnel at Hanford. The contractor has the lead to coordinate Health Risk Management program teams with the Site in identifying and analyzing the hazards that Hanford personnel face in the work environment and brings an awareness of health and safety issues to DOE, Hanford Site contractors, and others.<br><br>The contractor provides the following, but is not limited to these types of services: medical monitoring and qualification examinations, including the controlled substances/alcohol testing program (mandatory use); diagnosis occupational injury or illness; monitored care; legacy health issues; employee counseling and health promotion; occupational health process improvement; human reliability testing; records management; emergency and disaster preparedness; health care cost management; field/facility visits; case management; records and data extraction; other occupational medicine services; reporting; and supporting transition. | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Interface & Service -- Mandatory)* | PSSC (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 92 | I/S | Personnel Security Services | Provide service to Site contractors | Receive service from and provide input to PSSC | Receive service from and provide input to PSSC | Receive service from and provide input to Westech | N/A | Receive service from and provide input to PSSC | Receive service from and provide input to PSSC(N/A for PNNL) | CRD M 470.4-5, *Personnel Security* | Direct funded by DOE |
| | | | The Personal Security Services Contractor (PSSC) currently provides technical and administrative support expertise for the implementation of the DOE Personnel Security Program, including clearance and special access processing, adjudication of investigative reports, human reliability programs, and other personnel security related programs. The contractor also provides transcription services, screening and processing classified mail, operation of the vault, visitor control and security education for both employees and visitors located in the Federal Office Building (FOB), and management of several personnel security-related databases. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service - Optional)* | PNNL (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 93 | S | Research, development, and demonstration | Provide service to Site contractors | Receive service | Receive service | Receive service | Receive service | Receive service | Receive service | | Fee for service |
| | | | PNNL is one of five Office of Science multi-program laboratories that conduct research and development activities. Some of the programs conducted at PNNL are part of the DOE Office of Science laboratory system and require no integration with the Hanford DOE Office of Environmental Management programs; however, many of the research and technology development programs have direct relevance to the Hanford cleanup mission. As applicable, the Contractor is encouraged to utilize the scientific and technical capabilities available from PNNL and work directly with PNNL to maximize the benefit to Hanford from the National research and development program. | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | ASPC (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 94 | S | Sample Analysis *(highly radioactive)* | Provide services to TOC and PRC | N/A | Receive services from ASPC | Receive services from ASPC | N/A | N/A | N/A | | Fee for service and use Service Level Agreements for cost of service. |
| | | | Analytical Services are performed by the Analytical Services and Testing Contractor (ASTC) under a separate prime contract to DOE-ORP. ASPC is responsible for providing analysis of highly radioactive samples in support of Hanford Site projects. These services will be performed in the 222-S Laboratory Complex located in the 200 Area of the Hanford site.<br><br>The ASTC is responsible for: receiving samples, which are potentially highly radioactive; preparing samples, which are potentially highly radioactive for analysis; recording and tracking all samples and related waste materials; performing chemical and radionuclide analyses using necessary quality control and quality assurance; reporting the results and archive sample remainders as required by the customer; and providing Standards Laboratory services for the Hanford Site. | | | | | | | | |
| Interface Number | Type of Interface | Activity *(Service - Mandatory)* | JCI (Service Provider) | MSC | PRC | TOC | WTP | RCCC | Other Site Users | Requirements | Cost Allocations |
| 95 | S | Steam Services | Deliver service to Site contractor | Receive service | Receive service | Receive service | N/A | Receive service | Receive service | | RCCC & TOC "advance" pay from their DOE funding allocations. MSC & PRC costs are funded by DOE-RL directly to JCI from PBS-40 |
| | | | The Energy Savings Peformance Contractor (ESPC), under a separate prime contract, currently includes steam service to support heating and other operations at the Site and air compressors for twenty 300 Area facilities. The ESPC can also propose additional energy conservation measures. These may include, but are not limited to, lighting system upgrades; pumping system upgrades; automation; heating, ventilation, and air conditioning upgrade; and addition of utility monitoring and control systems. | | | | | | | | |

| Interface Number | Type of Interface | Activity *(Service – Mandatory)* | MSC | PRC | TOC | WTP | RCCC (Service Provider) | Other Site Users | Requirements | Cost Allocations |
|---|---|---|---|---|---|---|---|---|---|---|
| 96 | P | Waste Disposal - CERCLA remediation Low Level (LLW) and Contact-handled and Remote-handled (CH/RH) Mixed Low Level (MLLW) | Deliver to RCCC | Deliver to RCCC | Deliver to RCCC | Deliver to RCCC | Receive from Site contractors | Optional | | Hanford Site contractors budget for waste treatment and disposal; deliver waste to ERDF. |
| | | | • RCCC performs treatment, storage, and disposal of *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (*CERCLA) LLW and CH/RH-MLLW.<br>• Hanford Site contractors shall request and provide requirements for service. | | | | | | | |

# ATTACHMENT 6: ADVANCED AGREEMENT – PROCEDURES FOR CHARGING COSTS TO WORKFORCE RESTRUCTURING

**Advance Agreement**
**Procedures for Charging Costs Related to Workforce Restructuring**

Pursuant to FAR 31.109, "Advanced Agreements," Advance Technologies and Laboratories International, Inc. (ATL) and the United States of America, represented by the Department of Energy (the Government) enter into this Advance Agreement (Agreement) on the 15th day of June 2011. This Agreement will be incorporated into Section J of the contract (Contract DE-AC27-10RV15051) when signed.

REFERENCES

- FAR 31.109 – Advance Agreements
- FAR 31.205-6(g)(5) – Abnormal or mass severance pay
- Request for Voluntary Reduction in Force (ATL-2011-040, dated March 3, 2011)
- Hanford Site Workforce Restructuring Plan (as amended May 21, 2002)
- Contract DE-AC27-10RV15051

SCOPE

ATL expects to incur significant severance pay costs of an unusual and non-recurring nature on Contract DE-AC27-10RV15051 due to a Department of Energy approved workforce-restructuring plan that reduces the number of personnel that can charge to the contract.

Severance pay is a payment to workers whose employment is being involuntarily terminated. Severance pay is allowable under Government contracts when it is required by law, employer-employee agreement, established policy that constitutes, in effect, an implied agreement on the contractor's part or circumstances of the particular employment (FAR 31.205-6(g)). ATL's request and the Government's Hanford Site Workforce Restructuring Plan satisfy the allowability criteria of this cost principle.

ATL has not accrued any costs associated with these required severance payments in its indirect pools and books. Abnormal or mass severance pay is of such a conjectural nature that accruals for this purpose are not allowable. However, the Government recognizes its obligation to participate, to the extent of its fair share, in any specific payment. Thus, the Government will consider allowability on a case-by-case basis (FAR 31.205-6(g) (5)).

The sum of severance payments (including applicable taxes) is estimated not to exceed $700,000.

METHODOLOGY

It is agreed that severance payments along with applicable FICA, FUTA, and SUTA taxes (and any other directly associated costs) shall be charged directly to Contract DE-AC27-10RV15051 in the accounting period when the obligation to make such payments arises. It is further agreed that no indirect costs shall be allocated to these amounts. Finally, it is agreed that due to the abnormal and non-recurring nature of these costs that the costs will not be a factor in developing forecasted or final indirect expense

**Advance Agreement**
**Procedures for Charging Costs Related to Workforce Restructuring**

DURATION

This Agreement is effective from February 8, 2011 through the duration of the base period of the contract (Contract DE-AC27-10RV15051) on January 2, 2012.

**ATL INTERNATIONAL, Inc.**

By: _____

R. Alice Hwang
Chief Executive Officer

**THE UNITED STATES OF AMERICA**

By: Susan E Bechtol 6/15/2011

Susan E. Bechtol
Contracting Officer

## ATTACHMENT 7: PERFORMANCE EVALUATION AND MEASUREMENT PLAN

**CONFIGURATION TABLE**

| Version | PEMP Year | Effective Dates | Contract Mod | Date Signed |
|---|---|---|---|---|
| Original | 2011 | 1/1/2011 – 12/31/2011 | 039 | 7/14/2011 |
| Revision 1 | 2012 | 1/1/2012 – 12/31/2012 | 053 | 12/30/2011 |
| Revision 2 | 2013 | 1/1/2013 – 12/31/2013 | 084 | |

# PERFORMANCE EVALUATION AND MEASUREMENT PLAN (PEMP)

**222-S Laboratory Analytical Services and Testing (LAS&T) Contract**

## CONTRACT NO. DE-AC27-10RV15051

**Evaluation Period 2013**

**January 1, 2013 – December 31, 2013**

## Advanced Technologies & Laboratories International, Inc.

**Richland WA**

## TABLE OF CONTENTS

| | Page |
|---|---|
| ACRONYMS | 3 |
| A. INTRODUCTION | 3 |
| B. REFERENCES | 5 |
| C. ROLES AND RESPONSIBILITIES | 6 |
| D. METHOD FOR DETERMINING PERFORMANCE FEE | 7 |
| E. PEB INVOLVEMENT IN FINAL EVALUATIONS | 9 |
| F. FDO RESPONSIBILITIES IN FINAL EVALUATIONS | 10 |
| G. METHOD FOR CHANGING PLAN COVERAGE | 10 |
| ATTACHMENTS | 11 |

1. SPECIAL EMPHASIS AREA OVERALL GRADES & ASSOCIATED PERCENTAGES OF EARNED FEE, AWARD FEE PERFORMANCE OBJECTIVES/MEASURES, AND PERFORMANCE BASED INCENTIVES
2. PERFORMANCE MONITOR EVALUATION REPORT FORM
3. PERFORMANCE EVALUATION AND MEASUREMENT PLAN CHANGE REQUEST

ACRONYMS

ATL..... Advanced Technologies & Laboratories International, Inc.
FDO.....Fee Determination Official
ORP.....Office of River Protection
PBI.....Performance Based Incentive
PEB.....Performance Evaluation Board
PEMP..... Performance Evaluation and Measurement Plan
PEM..... Performance Evaluation Monitor
SEA..... Special Emphasis Area

**A. INTRODUCTION:**

This Performance Evaluation and Measurement Plan (PEMP) defines the Office of River Protection's (ORP) approach in evaluating, documenting, and providing performance fee to Advanced Technologies & Laboratories International, Inc. (ATL), in the execution of requirements defined in Contract DE-AC27-10RV15051. This PEMP is for the fourth year of the contract CLIN 4 period of performance from January 1, 2013, through December 31, 2013.

**1. <u>PEMP Objectives</u>**

a. Provide ORP with a mechanism to achieve its highest priority objectives;

b. Provide incentive to ATL to accomplish ORP's management and program objectives through the establishment of critical performance objectives and measures;

c. Reward ATL with fee commensurate with the achievement of the specific ORP performance requirements;

d. Create an administratively efficient process to assess ATL performance;

e. Provide a fair and reasonable basis for determining the amount of fee earned; and

f. Create a process that ensures ATL work efforts are executed in a manner that provides high value and high quality deliverables to ORP.

**2. <u>Definitions</u>**

a. Award Fee. The subjective fee component of Performance Fee.

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

c. Fee Determination Official. The final authority in determination of fee awarded to ATL.

d. Multi-year Incentive. An incentive designed to establish performance objectives and measures beyond one fiscal year or evaluation period.

e. Office of River Protection (ORP). ORP is a Field Office under the Environmental Management headquarters organization.

f. Performance Evaluation Board. For the purpose of this PEMP, designated ORP managers are chartered with recommending ATL earned fee to the Fee Determination Official (FDO).

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

h. Performance Evaluation Period. The specific period for which the Performance Evaluation Board evaluates contractor's overall performance: January 1 through December 31.

i. 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.

j. Performance Incentive. A performance incentive 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.

k. Performance Measure. The quantitative method for characterizing performance.

l. Performance Evaluation Monitor. Designated by the Performance Evaluation Board as responsible individuals monitoring and evaluating the contractor's performance.

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

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

o. Special Emphasis Area. An area that is extremely important to ORP.

**3. 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 *Budget Formulation, Budget Execution, and Performance Evaluation*.

ATL is responsible for performing the Analytical Services function of receiving, handling, analyzing, storing and report on samples obtained from Hanford contractors. These functions are performed at the 222-S Laboratory complex located in the 200 West Area of Hanford. These services support cleanup and closure goals of all Hanford projects. This work is performed using facilities and infrastructure which are owned by DOE and maintained by DOE's Tank Operations Contractor (TOC). Because of the nature of this work, ORP utilizes performance fee to incentivize and reward ATL for performance. Performance fee consists of two components: an incentive fee component which provides management focus and emphasis on ORP's critical few program objectives and an award fee component which provides management focus on all other aspects of ATL's performance such as overall program, current importance to the overall performance of the contract, their potential for being problem areas, and/or current degree of concern for performance.

a. Performance Based Incentive (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 Special Emphasis Area (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.

**B. REFERENCES.** U.S. Department of Energy Office of River Protection Contract with ATL for Analytical Services; Contract DE-AC27-10RV15051.

**C. ROLES AND RESPONSIBILITIES** The effectiveness of this PEMP requires the establishment of a close working relationship between ORP, and ATL because all entities are responsible for successful implementation of the plan and successful completion of ORP's significant management and program objectives. The roles and responsibilities of the key personnel are as follows:

1. Fee Determination Official: Office of River Protection Manager

The FDO will: 1) appoint the PEB Chair; 2) review the recommendation of the PEB, consider all pertinent data, determine the amount of Award Fee earned during each evaluation period and issue the determination in accordance with B.4 Final Fee Determination; 3) notify the Contractor of performance strengths, areas for improvement, and future expectations; 4) issue and approve the PEMP on an annual basis in accordance with Section B.4 of the Contract as well as any significant changes thereto; 5) ensure that the Award Fee and Contract Incentives process is managed consistent with applicable acquisition regulations, and 6) ensure that the Award Fee process meets the overall LAS&T business objectives.

2. Performance Evaluation Board:

- Tank Farms Project Assistant Manager, Chair
- LAS&T Contract Specialist
- LAS&T Performance Evaluation Program Manager
- LAS&T Contracting Officer

The PEB reviews the PEM evaluations of Contractor performance, considers the Contractor's self-assessment if submitted, considers all information from pertinent sources, prepares draft and final performance reports, and arrives at an earned award fee recommendation to be presented to the FDO. The PEB may also recommend changes to the PEMP.

3. Performance Evaluation Board Chair:

The Chair may assign or reassign Performance Evaluation Monitors at any time without advance notice to the Contractor. The Chair will: 1) review the performance monitors' evaluations and consider the Contractor's self-assessment; 2) analyze the Contractor's performance against the criteria set forth in the PEMP; 3) provide periodic interim performance feedback to the Contractor via the CO; 4) recommend any changes to the PEMP and obtain the FDO's concurrence on the recommended fee determination.

4. LAS&T Performance Evaluation Program Manager:

The Performance Evaluation Program Manager is responsible for coordinating the administrative actions required by the PEMs, the PEB and the FDO, including: 1) receipt, processing, and distribution of evaluation reports from all required sources; 2) scheduling and assisting with internal evaluation milestones, such as briefings; 3) prepare the fee determination recommendation report documenting the recommendation on the award fee; and 4) accomplishing other actions required to ensure the smooth operation of the award fee process.

5. Performance Evaluation Monitors:

PEMs may be drawn as needed from the following positions or others as deemed necessary by the PEB Chair:

- Assistant Manager, Environment, Safety, Health, and Quality
- Director, Acquisition Management Division
- Director, Tank Farm Programs and Projects
- LAS&T Contract Specialist
- ORP Organizational Property Management Officer
- Tank Farms Project Controls Officer
- LAS&T Program Manager

The PEMs will: 1) monitor, evaluate, and assess Contractor performance in their assigned areas: 2) periodically prepare a Contractor Performance Monitor Report (CPMR) for the PEB. 3) recommend any needed changes to the PEMP for consideration by the PEB and FDO: and 4) maintain a performance dialogue with ATL Performance Measure owners throughout the evaluation period.

## D. METHOD FOR DETERMINING PERFORMANCE FEE

1. Communication with ATL during the Evaluation Period

One important consideration for evaluation will be discussions between the PEM and their ATL counterpart. It is a management expectation that PEMs meet with their ATL counterpart at least monthly to review, discuss, and provide interface on ATL's performance against the performance-based and award fee incentives and overall contract performance.

Regular communication with ATL at the PEM level will contribute to the success of the fee process. PEM should discuss performance which may not currently meet performance objectives and measures, and thereby keep ATL informed as to achievements and deficiencies that may appear in the final evaluation for the period. ORP established an OPR Monthly Project Review that provides interface between ORP and ATL.

2. ATL Self Assessment

ATL shall provide the ORP Contracting Officer and the ORP LAS&T Performance Evaluation Program Manager with an electronic copy of the ATL self-assessment within ten (10) working days upon completion of the performance evaluation period.

ATL shall identify issues potentially affecting the completion of individual PBIs and SEAs and the overall success of the program, and actions taken or recommended to resolve those issues. ATL's self-assessment shall propose and justify the amount of performance based incentive and award fee earned, and include a discussion of fee reductions warranted by any failure to meet performance expectation. In the event the contractor self-discloses a situation that falls within the support of a special emphasis area, and appropriately self-corrects the situation in a timely manner, fee reduction may be waived by the CO. The timeliness and effectiveness of the contractor's corrective action may also mitigate fee reductions for deficiencies identified by ORP or other regulatory entities.

3. ORP Assessment

ORP Performance Monitors shall prepare and submit to the ORP LAS&T Performance Evaluation Program Manager, an independent assessment of ATL's performance within 20 calendar days after the end of an award fee evaluation period. The ORP Performance Monitor shall consider ATL's input with respect to completing the PBI and SEA performance criteria and with respect to the quality. Where significant disagreement exists between ATL's self assessment and ORP's assessment, the responsible ORP Performance Monitor shall raise such disagreements to the PEB for resolution. ATL may be requested to attend a Board meeting to assure their view is understood.

The ORP LAS&T Performance Evaluation Program Manager will consolidate ORP Performance Monitor Evaluation Reports and submit a written evaluation report to the PEB members for approval.

4. Performance Evaluation Process

(a) Within ten (10) working days upon completion of the end of an award evaluation period, ATL shall provide the ORP Contracting Officer and the ORP LAS&T Performance Evaluation Program Manager with an electronic copy of the ATL self-assessment. The self-assessment provided shall provide an assessment of their performance in the completion of a PBI and award fee performance objectives and measures. The ORP LAS&T Performance Evaluation Program Manager is responsible for distribution of the ATL self-assessment to ORP PEMs.

(b) Within twenty (20) calendar days upon the end of an award fee evaluation period, ORP PEMs will prepare and submit an independent assessment of ATL's performance, with respect to quality and schedule, against the performance objectives and measures to the ORP LAS&T Performance Evaluation Program Manager for consolidation. The ORP PEM shall consider ATL's input with respect to payments of fee. Where significant disagreement exists between ATL's self assessment and ORP's assessment, the responsible PEM shall raise such disagreements to the PEB for resolution. ATL may be requested to attend a Board meeting to assure their view is understood.

The ORP assessment must be submitted on the Performance Monitor Evaluation Report form, Attachment 2 of the Plan, and will only be accepted by the ORP Procurement Division upon the approval of the ORP Performance Monitor.

(c) Within approximately thirty (30) calendar days after the end of an award fee evaluation period, the ORP LAS&T Performance Evaluation Program Manager will consolidate Performance Monitor Evaluation Reports and submit to the PEB members for review.

(d) Within approximately sixty (60) calendar days after the end of an award fee evaluation period, the PEB will review, validate, and prepare an evaluation report and submit a fee recommendation to the FDO.

(e) Within seventy (70) calendar days after the end of an award fee evaluation period or 60 calendar days after receipt of contractor's self-assessment for award fee (whichever is later), the FDO will make a determination of the fee earned.

5. Evaluation and Discussion Documentation

Where meetings or discussions are held by the PEM (with ATL, HQ, or others) that significantly impact award fee evaluations, it is necessary that appropriate documentation be created. This documentation can be in the form of signed and dated notes, minutes, or correspondence. Copies of the PEM documentation should be maintained by the PEM in support of the Performance Evaluation Report.

Rationale for fee payments will be documented by the Performance Evaluation Board and the fee determination official. The final PEB Fee Recommendation and FDO Fee Determination reports along with supporting rationale will be maintained by the ORP Acquisition Management Division organization in the official "contract file".

## E. PEB INVOLVEMENT IN FINAL EVALUATIONS

The PEB is responsible for reviewing the Performance Evaluation Reports and developing a Fee Recommendation Report to the FDO. The Chair, PEB, will provide updates and feedback to the FDO prior to receiving the PEB's final signed fee recommendation report.

As directed by the FDO, and especially if significant deficiencies exist, the Fee Recommendation Report is discussed with ATL General Manager by the PEB, individual board members, and/or the FDO. Because the Fee Recommendation Report is pre-decisional, its contents will not be formally provided to ATL.

## F. FDO RESPONSIBILITIES IN FINAL EVALUATIONS

The FDO may meet with ATL, as appropriate, during the process of developing his/her evaluation position. Based on the FDO's personal knowledge, the information contained in ATL's self-assessment, the PEB Fee Recommendation Report, and/or other information relating to ATL's performance of the contract requirements, the FDO develops a determination on the evaluation and award fee.

## G. METHOD FOR CHANGING PLAN COVERAGE

Proposed changes to the PEMP may be initiated by ORP or ATL. Proposed changes to the PEMP may be initiated on the official PEMP Change Form (Attachment 3). The respective Performance Monitor will review and concur on proposed changes prior to any changes being made to the PEMP.

# ATTACHMENT 1

## PERFORMANCE BASED INCENTIVES AND AWARD FEE SPECIAL EMPHASIS AREAS

| | | |
|---|---|---|
| Total PBI and SEA Fee Available | 100% | $961,635 |

### PERFORMANCE BASED INCENTIVES

| PERFORMANCE BASED INCENTIVES | VALUE (%) | VALUE ($) |
|---|---|---|
| PBI 1 – On-Time Delivery | 25% | $240,409 |
| PBI 2 - Evaluations/Proficiency Tests | 25% | $240,409 |
| PBI 3 - Maintain Holding Times | 25% | $240,409 |
| Total PBI Fee Available | 75% | $721,227 |

### AWARD FEE SPECIAL EMPHASIS AREAS

| SPECIAL EMPHASIS AREAS | VALUE (%) | VALUE ($) |
|---|---|---|
| SEA 1 – Readiness to Serve | 10% | $96,163 |
| SEA 2 – Analytical Performance and Data Quality | 8% | $76,930 |
| SEA 3 – Environmental Stewardship and Compliance | 5% | $48,082 |
| SEA 4- Cost and Schedule | 2% | 19,233 |
| Total SEA Fee Available | 25% | $240,408 |

## PERFORMANCE BASED INCENTIVES

| | | |
|---|---|---|
| PBI-1 | On-Time Delivery | Due Date: 12/31/2013 |
| | | Value (%): 25% |
| | | Value ($): $240,409 |
| Performance Objective | ATL will provide at a minimum 85% on-time delivery of analytical deliverables received by the laboratory during this evaluation period. | |
| Performance Measures | This PBI will be measured by dividing the number of on-time analytical deliverables by the total number of analytical deliverables received by the laboratory during this evaluation period. | |
| Performance Target | Total available fee will be paid as follows:<br><br>On-Time Delivery % ≥ 95% = 100% of Fee<br>On-Time Delivery % ≥ 90% < 95% = 90% of Fee<br>On-Time Delivery % ≥ 85% < 90% = 80% of Fee<br>On-Time Delivery % < 85% = 0% of Fee | |

| | | |
|---|---|---|
| PBI-2 | Evaluations/Proficiency Tests | Due Date: 12/31/2013 |
| | | Value (%): 25% |
| | | Value ($): $240,409 |
| Performance Objective | ATL shall maintain an overall average score of at least 85% for annual proficiency tests performed during the evaluation period. | |
| Performance Measure | This PBI will be measured by taking the average of the total scores received for each of the tests. | |
| Performance Target | Total available fee will be paid as follows:<br><br>Overall Average Score % ≥ 95% = 100% of Fee<br>Overall Average Score % ≥ 90% < 95% = 90% of Fee<br>Overall Average Score % ≥ 85% < 90% = 80% of Fee<br>Overall Average Score % < 85% = 0% of Fee | |

| | | |
|---|---|---|
| PBI-3 | Maintain Holding Times | Due Date: 12/31/2013 |
| | | Value (%): 25% |
| | | Value ($): $240,409 |
| Performance Objective | ATL will maintain holding time performance at greater than or equal to 85% of all samples received during this evaluation period. | |
| Performance Measure | This PBI will be measured by dividing the number of holding times met by the total number of samples received by the laboratory during this evaluation period. | |
| Performance Target | Total available fee will be paid as follows:<br><br>Holding Time Met % ≥ 95% = 100% of Fee<br>Holding Time Met % ≥ 90% < 95% = 90% of Fee<br>Holding Time Met % ≥ 85% < 90% = 80% of Fee<br>Holding Time Met % < 85% = 0% of Fee | |

## AWARD FEE SPECIAL EMPHASIS AREAS

DOE will evaluate and measure performance in each of the Special Emphasis Areas 1 through 4, using the Performance Targets for each Special Emphasis Area. The Performance Targets are considered necessary to achieve the Performance Objective stated in the Special Emphasis Area. The evaluation will assign a Numerical Rating of 0 to 100, and corresponding Adjectival Rating, to each Special Emphasis Area. The Percent of Available Fee Earned awarded to that Special Emphasis Area will match the Numerical Rating (e.g., a Numerical Rating of 71 is awarded 71% for that Element). The Numerical and Adjectival Ratings will be based upon DOE's evaluation of the extent to which Contractor performance on that Special Emphasis Area favorably contributed toward achieving the desired outcome. See table below for definitions of adjectival ratings.

Each Special Emphasis Area has indicators and guidelines that are important performance considerations; however, DOE may consider any pertinent performance information related to that Special Emphasis Area.

**Award Fee Special Emphasis Area – Ratings and Definitions Chart**

| Assigned Numerical Rating | Adjectival Rating *(corresponding to Numerical Rating)* | Definition | Percentage of Award Fee Earned* |
|---|---|---|---|
| 91 to 100 | Excellent | Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period. | 91% to 100% |
| 76 to 90 | Very Good | Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period. | 76% to 90% |
| 51 to 75 | Good | Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period. | 51% to 75% |
| ≤ 50 | Satisfactory | Contractor has met overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period. | ≤ 50% |
| 0 | Unsatisfactory | Contractor has failed to meet overall cost, schedule, and technical performance requirements of the contract as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period. | 0% |

* Percent Fee Earned corresponds with Numerical Rating (e.g., a Numerical Rating of 71 percent earns 71 percent of available fee for that Performance Measure).

| | | |
|---|---|---|
| SEA - 1 | Readiness to Serve | Due Date: 12/31/2013 |
| | | Value (%): 10% |
| | | Value ($):$96,163 |
| Performance Objective | ATL will demonstrate responsiveness to current and emerging customer needs by providing Readiness to Serve. | |
| Performance Target | ATL's performance will measured utilizing at the minimum the following award fee evaluation criteria:<br>• Maintaining a workforce that is adequately trained and appropriately sized to existing budget direction<br>• Maintaining existing analytical methods and establish three (3) new analytical methods in response to customer needs<br>• Ensuring that existing and functional Government-provided instruments are properly calibrated and ready to perform analytical work scope | |

| | | |
|---|---|---|
| SEA - 2 | Analytical Performance and Data Quality | Due Date: 12/31/2013 |
| | | Value (%): 8% |
| | | Value ($): $76,930 |
| Performance Objective | ATL will be evaluated on the overall analytical performance and data quality of deliverables utilizing the existing quality assurance and quality control plan. | |
| Performance Target | ATL's performance will measured utilizing at the minimum the following award fee evaluation criteria:<br>• Quality of final reporting data; measured by issues identified through review comment records, client complaints, requests for revised or corrected reports, and performance evaluation samples<br>• Document the number and categorize the seriousness of data quality issues associated with analytical data and resolve in a timely manner which meets clients needs<br>• Maintain acceptable sample archival and sample preservation as required | |

| | | |
|---|---|---|
| SEA - 3 | Environmental Stewardship and Compliance | Due Date: 12/31/2013 |
| | | Value (%): 5% |
| | | Value ($): $48,082 |
| Performance Objective | ATL will demonstrate sound Environmental Stewardship and Compliance | |
| Performance Target | ATL's performance will measured utilizing at the minimum the following award fee evaluation criteria:<br><br>• ATL actions fully support the 222-S Lab Steward in maintaining applicable environmental permits and safety authorizations<br><br>• Early identification of issues and concerns through a proactive assessment and evaluation program<br><br>• Number and seriousness of any non-compliances, infractions, or violations and the timeliness and quality of related reporting and responses.<br><br>• Properly manage chemicals and support the 222-S Steward's implementation of waste minimization and pollution prevention practices | |

| | | |
|---|---|---|
| SEA - 4 | Cost and Schedule Management | Due Date: 12/31/2013 |
| | | Value (%): 2% |
| | | Value ($): $19,233 |
| Performance Objective | ATL will demonstrate sound cost and schedule management | |
| Performance Target | ATL's performance will measured utilizing at the minimum the following award fee evaluation criteria:<br><br>• Cost and Schedule Integrity – Identify and implement cost improvement initiatives. Provide and maintain accurate schedules of work performed and associated costs. Activities to be activity based, logic driven and integrated with the current baseline.<br>• Contractor shall project, budget, monitor, adjust and control cost aspects that are associated with the 222-S Laboratory Analytical Services and Testing (LAS&T) contract.<br>• Schedule – Promptness of delivery, reaction time and appropriateness of response to changes, recovery from delays, response to emergencies and other unexpected situations. | |

# ATTACHMENT 2

## FORMAT

### PERFORMANCE MONITOR EVALUATION REPORT

**I. EVALUATION PERIOD:** _____

**II. DOE PERFORMANCE MONITOR:**

Signature: _____ Date: _____

**III. PERFORMANCE BASED INCENTIVIES (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 issues

# ATTACHMENT 3

**OFFICE OF RIVER PROTECTION**
**PERFORMANCE EVALUATION AND MEASUREMENT PLAN**
**CHANGE REQUEST**

Page of

| | | | |
|---|---|---|---|
| 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:<br>a. Technical Direction Letter ☐<br>b. Contracting Officer Letter ☐<br>c. Baseline Change Proposal ☐<br>d. Other ☐ | 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:<br>a. Accepted, Change Implemented ☐<br>b. Accepted with Changes ☐<br>c. Rejected ☐<br>d. Other ☐ | 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.: |

20