

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO. 142		3. EFFECTIVE DATE See Block 16C	1 9
4. REQUISITION/PURCHASE REQ. NO. 12EM000696		5. PROJECT NO. (If applicable)	
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6) Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 MS: H6-60 Richland WA 99352	CODE 00603
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) WASHINGTON RIVER PROTECTION SOLUTIONS LLC Attn: DUANE SCHMOKER PO BOX 73 720 PARK BLVD BOISE ID 837290001		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 806500521 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC27-08RV14800	
		10B. DATED (SEE ITEM 13) 05/29/2008	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers is extended. is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

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

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 52.243-2 Changes-Cost Reimbursement (AUG 1987)
	D. OTHER (Specify type of modification and authority)


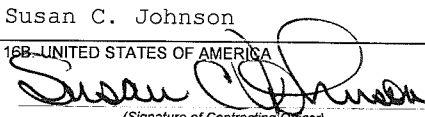
E. IMPORTANT: Contractor is not. is required to sign this document and return 2 copies to the issuing office.

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

Requisition number 12EM000696. See continuation pages.

Period of Performance: 06/20/2008 to 09/30/2013

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

15A. NAME AND TITLE OF SIGNER (Type or print) Charles A Simpson		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Susan C. Johnson	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 12-29-11	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 12/29/11

Purpose of Modification:

The following changes are hereby incorporated into the contract:

1. Update Section J, Attachment J.3, Hanford Site Services and Interface Matrix. Section J.3 will be replaced in its entirety with the J.3 in Attachment 1 of this modification.
2. Update Section J, Attachment J.4, Performance Evaluation and Measurement Plan (PEMP) to update Performance Based Incentive (PBI) 1.4 Contract Line Item Number (CLIN) 1, 222-S Upgrades and Life Extension Projects Completion. For PBI 1.4, \$32,000 will be moved from the unallocated fee pool to the amount allocated and available to be earned. The change is as follows:

FROM:

PBI-1.4 CLIN 1 222-S Upgrades and Life Extension Projects Completion

Performance Fee value is established at \$846,000. \$366,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$480,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal (with dates identified below) or Straight-Line Method (September 30, 2013)

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$ 96,000	Straight Line	\$16,000	\$80,000
2	\$ 50,000	Terminal	\$50,000	\$0
3	\$ 50,000	Terminal	\$0	\$50,000
4	\$ 50,000	Terminal	\$0	\$50,000
5	\$ 600,000	Straight Line	\$300,000	\$300,000
Total	\$ 846,000		\$366,000	\$480,000

Desired Endpoint/Outcome

The 222-S Laboratory, with its unique capabilities to analyze and store highly radioactive tank waste samples, must operate reliably in support of the tank waste cleanup mission. The contractor must replace systems in support of 222-S Laboratory and life extension projects and complete four life extension project upgrades.

Fee-Bearing Milestones

1. Replace twelve (12) pieces of analytical equipment at the 222-S Laboratory. Fee on ten pieces of analytical equipment is not available to be earned. The Contractor shall earn \$8,000 of incremental fee upon completion of each piece of equipment replaced (total of \$16,000 of incremental fee is available and a total of \$80,000 of incremental fee is not available to be earned).

TO:

**PBI-1.4 CLIN 1 222-S Upgrades and Life Extension Projects
Completion**

Performance Fee value is established at \$846,000. \$398,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$448,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal (with dates identified below) or Straight-Line Method (September 30, 2013)

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$ 96,000	Straight Line	\$48,000	\$48,000
2	\$ 50,000	Terminal	\$50,000	\$0
3	\$ 50,000	Terminal	\$0	\$50,000
4	\$ 50,000	Terminal	\$0	\$50,000
5	\$ 600,000	Straight Line	\$300,000	\$300,000
Total	\$ 846,000		\$398,000	\$448,000

Desired Endpoint/Outcome

The 222-S Laboratory, with its unique capabilities to analyze and store highly radioactive tank waste samples, must operate reliably in support of the tank waste cleanup mission. The contractor must replace systems in support of 222-S Laboratory and life extension projects and complete four life extension project upgrades.

Fee-Bearing Milestones

1. Replace twelve (12) pieces of analytical equipment at the 222-S Laboratory. Fee on six pieces of analytical equipment is not available to be earned. The Contractor shall earn \$8,000 of incremental fee upon completion of each piece of equipment replaced (total of \$48,000 of incremental fee is available and a total of \$48,000 of incremental fee is not available to be earned).
3. Update Section J, Attachment J.4, PEMP to update PBI CLIN 2, PBI 2.1 Vadose Zone/Barrier.. For PBI 2.1, \$200,000 will be moved from the unallocated fee pool to the amount allocated and available to be earned. The change is as follows:

FROM:

PBI-2.1 CLIN 2 Vadose Zone/Barriers

Performance Fee value is established at \$10,700,000. \$8,000,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$2,700,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal Method

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$2,000,000	Terminal	\$2,000,000	\$0
2	\$ 600,000	Terminal	\$ 600,000	\$0
3	\$ 250,000	Terminal	\$ 250,000	\$0
4	\$ 600,000	Terminal	\$ 400,000	\$ 200,000
5	\$ 500,000	Terminal	\$ 500,000	\$0
6	\$ 500,000	Terminal	\$0	\$ 500,000
7	\$4,000,000	Terminal	\$2,600,000	\$1,400,000
8	\$1,000,000	Terminal	\$1,000,000	\$0
9	\$ 300,000	Terminal	\$ 300,000	\$0
10	\$ 600,000	Terminal	\$0	\$ 600,000
11	\$ 200,000	Terminal	\$ 200,000	\$0
12	\$ 150,000	Terminal	\$ 150,000	\$0
Total	\$10,700,000		\$8,000,000	\$2,700,000

Milestone	Item	Description	Fee
7	1	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	2	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	3	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	4	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	5	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	6	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	7	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	8	Direct push soil characterization in WMA C – 1 location (8 samples) Fee is not available to be earned.	\$200,000 of incremental fee is not available to be earned
Milestone 7 Total			\$2,600,000 available to be earned and \$1,400,000 not available to be earned

TO:

PBI-2.1 CLIN 2 Vadose Zone/Barriers

Performance Fee value is established at \$10,700,000. \$8,200,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$2,500,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal Method

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$2,000,000	Terminal	\$2,000,000	\$0
2	\$ 600,000	Terminal	\$ 600,000	\$0
3	\$ 250,000	Terminal	\$ 250,000	\$0
4	\$ 600,000	Terminal	\$ 400,000	\$ 200,000
5	\$ 500,000	Terminal	\$ 500,000	\$0
6	\$ 500,000	Terminal	\$0	\$ 500,000
7	\$4,000,000	Terminal	\$2,800,000	\$1,200,000
8	\$1,000,000	Terminal	\$1,000,000	\$0
9	\$ 300,000	Terminal	\$ 300,000	\$0
10	\$ 600,000	Terminal	\$0	\$ 600,000
11	\$ 200,000	Terminal	\$ 200,000	\$0
12	\$ 150,000	Terminal	\$ 150,000	\$0
Total	\$10,700,000		\$8,200,000	\$2,500,000

Milestone	Item	Description	Fee
7	1	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	2	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	3	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	4	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000

7	5	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	6	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	7	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	8	Direct push soil characterization in WMA C – 1 location (8 samples)	\$200,000
Milestone 7 Total			\$2,800,000 available to be earned and \$1,200,000 not available to be earned

4. Update Section J, Attachment J.4, PEMP, to decrease the PBI-Reserved-Unallocated Base Period Fee by \$232,000 for the updates to PBI's 1.4 and 2.1 in this modification. The change is as follows:

FROM:

PBI-Reserved - Unallocated Base Period Fee

1. The Total Unallocated Base Period Fee value is \$11,251,072. The Total Available Unallocated Base Period Fee value is \$4,426,167. The Total Unavailable Unallocated Base Period Fee value is \$6,824,905, and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee.

Available Unallocated Base Period Fee:	\$4,426,167 (Mod 142)
Available Unallocated ARRA Fee:	\$ 0
Total Available Unallocated Fee:	\$4,426,167 (Mod 142)

TO:

PBI-Reserved - Unallocated Base Period Fee

- The Total Unallocated Base Period Fee value is \$11,251,072. The Total Available Unallocated Base Period Fee value is \$4,194,167. The Total Unavailable Unallocated Base Period Fee value is \$7,056,905, which includes \$6,824,905 in original Unavailable Unallocated Base Period Fee and \$232,000 in Unavailable Unallocated Base Period Fee as a result of reactivation of on-hold PBI's. Unavailable Unallocated Base Period Fee is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee.

Available Unallocated Base Period Fee: \$4,194,167 (Mod 142)

Available Unallocated ARRA Fee: \$ 0

Total Available Unallocated Fee: \$4,194,167 (Mod 142)

- Update Section J, Attachment J.4, PEMP, to update the Configuration Table to reflect the dates of modifications 131 and 135 and to add Revision 16 of the PEMP as a result of this modification. The change is as follows:

FROM:

Version	Date Approved	Summary of Changes
Original	May 12, 2010 (Modification 54)	Established FY 2010-2013 PBIs
Revision 1	July 14, 2010 (Modification 59)	Addition of PBI 3-20 through PBI 3-24
Revision 2	August 27, 2010 (Modification 66)	Addition of PBI 2.18
Revision 3	September 23, 2010 (Modification 72)	Addition of PBI 7.3 through PBI 7.6
Revision 4	January 12, 2011 (Modification 87)	Update PBIs 1.1, 1.3 and 2.17
Revision 5	April 4, 2011 (Modification 101)	Increase unallocated fee pool amount
Revision 6	April 4, 2011 (Modification 102)	Misc. Changes to PBI 1, PBI 2 and PBI 3
Revision 7	April 15, 2011 (Modification 105)	Increase unallocated fee pool amount
Revision 8	May 26, 2011 (Modification 109)	Increase unallocated fee pool amount
Revision 9	June 22, 2001 (Modification 111)	Adjust PBIs to reflect decrease in total available Base Period fee pool.
Revision 10	July 14, 2011 (Modification 118)	Increase unallocated fee pool amount
Revision 11	July 29, 2011 (Modification 123)	Increase unallocated fee pool amount
Revision 12	August 4, 2011 (Modification 126)	Increase unallocated fee pool amount
Revision 13	September 7, 2011 (Modification 128)	Misc Changes to PBIs 2.6 – 2.15
Revision 14	See date of Modification 131	Increase unallocated fee pool amount
Revision 15	See date of Modification 135	Increase unallocated fee pool amount

TO:

Version	Date Approved	Summary of Changes
Original	May 12, 2010 (Modification 54)	Established FY 2010-2013 PBIs
Revision 1	July 14, 2010 (Modification 59)	Addition of PBI 3-20 through PBI 3-24
Revision 2	August 27, 2010 (Modification 66)	Addition of PBI 2.18
Revision 3	September 23, 2010 (Modification 72)	Addition of PBI 7.3 through PBI 7.6

Contract Number DE-AC27-08RV14800
Continuation Page, Modification 142

Revision 4	January 12,2011 (Modification 87)	Update PBIs 1.1, 1.3 and 2.17
Revision 5	April 4, 2011 (Modification 101)	Increase unallocated fee pool amount
Revision 6	April 4, 2011 (Modification 102)	Misc. Changes to PBI 1, PBI 2 and PBI 3
Revision 7	April 15, 2011(Modification 105)	Increase unallocated fee pool amount
Revision 8	May 26, 2011 (Modification 109)	Increase unallocated fee pool amount
Revision 9	June 22, 2001 (Modification 111)	Adjust PBIs to reflect decrease in total available Base Period fee pool.
Revision 10	July 14, 2011 (Modification 118)	Increase unallocated fee pool amount
Revision 11	July 29, 2011 (Modification 123)	Increase unallocated fee pool amount
Revision 12	August 4, 2011 (Modification 126)	Increase unallocated fee pool amount
Revision 13	September 7, 2011 (Modification 128)	Misc Changes to PBIs 2.6 – 2.15
Revision 14	September 23, 2011 (Modification 131)	Increase unallocated fee pool amount
Revision 15	September 29, 2011 (Modification 135)	Increase unallocated fee pool amount
Revision 16	See date of Modification 142	Adjust PBI's 1.4 and 2.1 to reflect increase in total available Base Period fee pool

6. Attached to this modification are replacement pages for the following sections:

- Section J, Attachment J.3, Pages J.3-1 thru J.3-80
- Section J, Attachment J.4, Pages J.4.2-1, 21,29, 32, 33, and 93

7. **All other Terms and Conditions remain unchanged.**

Attachment 1

DE-AC27-08RV14800, MODIFICATION 142

Replacement Page

(Total: Eighty-Six (86) including this Cover Page)

- **Section J, Attachment J.3, Pages J.3-1 thru J.3-80**
- **Section J, Attachment J.4, Pages J.4.2-1, 21, 29, 32, 33 and 93**

ATTACHMENT J.3 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
PRC	Plateau Remediation Contract
TOC	Tank Operations Contract
WTP	Waste Treatment and Immobilization Plant Contract
RCCC	River Corridor Closure Contract
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.
Hanford Site Contractors	General term used to collectively refer to all the above users/providers.

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.
<p>ISAP is the strategic plan for right-sizing the infrastructure to support the future Hanford Site mission and the <i>Annual Forecast of Services and Infrastructure</i> is a projection of needed utilities, services, and infrastructure from other Hanford Site contractors.</p> <ul style="list-style-type: none"> MSC shall develop, maintain and update an ISAP and the <i>Annual Forecast of Services and Infrastructure</i>, which includes the costs for services. Proposed changes in service providers shall include a justification, and a plan forward. MSC shall solicit input from Hanford Site contractors/users for the ISAP and the <i>Annual Forecast of Services and Infrastructure</i>, including projection of need for services and proposed performance metrics/controlling agreements for the service provider. DOE will evaluate contractor/user input prior to approval. The plan will be approved by DOE. 										
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.
<p><i>Hanford Site Interface Management Plan</i> is the controlling agreements that ensure effective control of technical, administrative, and regulatory interfaces.</p> <ul style="list-style-type: none"> MSC shall develop and maintain the <i>Hanford Site Interface Management Plan</i>. MSC shall collaborate with the Hanford Site contractors/users on the <i>Hanford Site Interface Management Plan</i>. PRC, TOC, and MSC shall sign the <i>Hanford Site Interface Management Plan</i>. 										

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 CRD M 470.4-1, Safeguards & Security Program Planning and Management 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. <ul style="list-style-type: none"> • MSC shall provide Protective Force operations. • Hanford Patrol shall provide random and special searches as required. • Hanford Patrol shall provide Protective Force services for WTP facilities when turned over to TOC. • 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 CRD M 470.4-2, <i>Physical Protection</i> CRD O 470.3A, <i>Design Basis Threat Policy</i>	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.
<p>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.</p> <ul style="list-style-type: none"> • MSC shall provide Security Representatives for facilities or groups of facilities where there are important safeguards and security (SAS) assets. • MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of Asset Protection Agreements. • MSC shall design security system upgrades for existing facilities with changing requirements and design security systems for new facilities. • 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. • 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 <i>Asset Protection Agreements</i>, 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, <i>Physical Protection</i> CRD O 470.3A, <i>Design Basis Threat Policy</i>	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.
<p>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 <i>Asset Protection Agreements</i>.</p> <ul style="list-style-type: none"> • MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of <i>Asset Protection Agreements</i>. • Hanford Site contractors shall support the MSC in the development of or update of facility <i>Asset Protection Agreements</i> and implement those agreements. • MSC shall provide Technical and Engineering Security services as required for the design and/or turnover of new facilities. 										
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, <i>Information Security</i>	MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs

		<p>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.</p> <ul style="list-style-type: none"> 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 <i>Annual Site OPSEC Threat Assessment</i> and prepare the annual <i>OPSEC Plan</i>. 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 <i>Annual Site OPSEC Threat Assessment</i> and preparation of the annual <i>OPSEC Plan</i>.
Interface Number	Activity (Service - Mandatory)	<p>MSC (Service Provider)</p>
7	Information Security - Classified Matter Protection and Control (CMPC); Classification, Declassification and UCNl Program	<p>Provide service to site contractors</p>
Type of Interface	I/S	<p>Receive service from and provide input to MSC</p>
TOC	WTP	<p>Receive service from and provide input to MSC</p>
PRC	RCCC	<p>Receive service from and provide input to MSC</p>
Other Site Users	Requirements	<p>N/A</p> <p>Atomic Energy Act of 1954, as amended CRD M 470.4-4, <i>Information Security</i></p>
Cost Allocations	Cost Allocations	<p>MSC bears the burden of program administration; Hanford Site contractors bear internal implementation costs.</p>
<p>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.</p> <ul style="list-style-type: none"> 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. 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. 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 CRD O 471.3, Identifying & Protecting Official Use Only Information 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.
<p>The OUO Program establishes controls to protect sensitive unclassified information as OUO.</p> <ul style="list-style-type: none"> 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. 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	Personal 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 CRD M 470.4-2, <i>Physical Protection</i>	Funded through MSC; provided at no cost to Hanford Site contractors.
			<p>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.</p> <ul style="list-style-type: none"> 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. MSC shall coordinate and initiate “STOP ACCESS” procedures, and control and issue private vehicle passes for Property Protection Areas. Hanford Site contractors shall obtain badging service from MSC; participate in “STOP ACCESS” program; and obtain vehicle passes from MSC. 							
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, <i>Personnel Security</i>	MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs.
			<p>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).</p> <ul style="list-style-type: none"> 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. 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.
<p>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.</p> <ul style="list-style-type: none"> • MSC shall coordinate and track all Hanford Site drug and alcohol testing; MSC shall notify the PRC of drug and alcohol testing results. • MSC shall administer the HRP program, including initial and refresher training. • 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. 										
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.
<p>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.</p> <ul style="list-style-type: none"> • MSC shall administer the WSAP and maintain the procedures for testing and databases. • MSC shall notify the respective Hanford Site contractor of drug and alcohol testing results. • 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, <i>Unclassified Foreign Visits & Assignments</i> CRD O 142.1, <i>Classified Visits Involving Foreign Nationals</i>	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.							
			<ul style="list-style-type: none"> 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. 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.							
			<ul style="list-style-type: none"> 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. MSC shall implement a centralized Hanford unclassified computer security program. 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 CRD M 470.4-6, Nuclear Material Control and Accountability	MSC bears the burden of program administration; Hanford Site contractors bear internal implementation costs.
<p>The MC&A Program provides control and accountability of nuclear materials within DOE.</p> <ul style="list-style-type: none"> 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. 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. 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. 										
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. 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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 CRD O 470.3A, Design Basis Threat Policy (U) 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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. 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, <i>Dangerous Waste Regulation</i> ; 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 contractors for DOE-EM funded Work Scope.
<p>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.</p> <ul style="list-style-type: none"> 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 <i>Annual Training Needs Forecast and Plan</i>, and operate the HAMMER facility. MSC shall maintain the employee training records for training provided by MSC. MSC shall perform mask fit services for Hanford Site contractors. 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.
			<p>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.</p> <ul style="list-style-type: none"> • MSC shall provide 24/7 fire-related protection of human life, property, and facilities; and operates basic and advanced life support emergency medical services. • MSC shall act as the Site Incident Command Agency for all fires and hazardous/radiological materials emergencies on the Hanford Site. • 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.). • 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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.
<p>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.</p> <p>MSC shall:</p> <ul style="list-style-type: none"> • Coordinate, integrate, and maintain a centralized Hanford Site EP Program. • Provide instruction in accordance with DOE/RL-94-02, Hanford Emergency Management Plan to all Hanford Site contractors and their subcontractors. • Conduct or support emergency management surveillances and assessments and work with the Hanford Site contractors for corrective action implementation. • Establish procedures and provide direction and coordination for the Hanford Site Occurrence Reporting Program. <p>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.</p>										

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 CRD M 231.1-1A, Environment, Safety, and Health Reporting CRD O 450.1A, Environmental Protection Program DOE O 5400.5, 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. <ul style="list-style-type: none"> MSC shall operate the Hanford Site-wide Occurrence Notification Center (ONC). 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 & 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, <i>Development and Approval of the Worker Safety and Health Program</i>	MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs.
<p>Site Safety Standards are to be used by Hanford Site contractors to ensure common processes for worker safety.</p> <ul style="list-style-type: none"> 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. 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. 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. 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. 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.
<p>RAP provides first-responder radiological response capabilities 24/7 for the Hanford Site and Region 8 (states of Alaska, Oregon, and Washington).</p> <ul style="list-style-type: none"> 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. 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.
<p>Environmental Regulatory Management ensures a Site-wide environmental program which is compliant with applicable laws, regulations, DOE directives and the Section H Clause entitled, <i>Environmental Responsibility</i>.</p> <p>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.</p> <p>Hanford Site contractors shall:</p> <ul style="list-style-type: none"> • Provide input for the Site-wide Environmental Management System (EMS) Program Management Plan. • Integrate their environmental permitting and regulatory compliance activities with the Hanford site-wide permitting and compliance framework maintained by the MSC. • 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. • Support MSC in their Site-wide environmental regulatory management roles. • 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. • 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. • 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.
<p>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.</p> <ul style="list-style-type: none"> MSC shall maintain seismic sensors and systems, monitor seismic activity and report seismic activities on the Hanford Site. MSC shall provide seismic information to Hanford Site contractors upon request. Hanford Site contractors shall request and provide requirements for services when necessary. 											
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 5400.5, 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.
<p>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.</p> <ul style="list-style-type: none"> MSC shall provide annual updates of the Hanford Site National Environmental Policy Act (NEPA) Characterization Report. 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.
<p>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.</p> <ul style="list-style-type: none"> • 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. • MSC shall maintain and operate the Hanford Meteorological Monitoring system. MSC may be requested to provide special-use information by Site contractors. • Hanford Site contractors shall request and provide requirements for service. 											

Interface Number	Type of Interface	Activity (Interface)	MSC	PNNL	PRC	TOC	WTP	RCCC	Other Site Users	Requirements	Cost Allocations
29	I/S	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 5400.5 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.
<p>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.</p> <ul style="list-style-type: none"> MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual <i>Hanford Site Environmental Report</i> and the <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site. 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. Hanford Site contractors shall provide appropriate input to support MSC preparation of the annual <i>Hanford Site Environmental Report</i> and <i>Hanford Site Environmental Surveillance Master Sampling Schedule</i>. 											

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 costs.
<p>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.</p> <p>MSC shall:</p> <ul style="list-style-type: none"> 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. Conduct ecological compliance reviews for Hanford Site contractors. Ecological reviews that are required to be conducted outside the Hanford alternate work schedule will not charge overtime to OHC projects. <p>Hanford Site contractors shall:</p> <ul style="list-style-type: none"> Allow access to the Ecological Monitoring and Compliance activity for the purpose of collecting information and samples. 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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 MSC execution of the <i>Comprehensive Land Use Plan's (CLUP) Cultural & Historic Resource Program Plan</i>. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the MSC project records and files for background research. 											

Interface Number	Type of Interface	Activity (Service - Mandatory)	PNNL (Service Provider)	MSC	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 PNNL	Receive service from PNNL	Receive service from PNNL	Receive service from PNNL	Receive service from PNNL	Receive service from PNNL	DOE and national quality control requirements	Usage-based service reimbursed by the user.
<p>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.</p> <p>PNNL shall provide:</p> <ul style="list-style-type: none"> • Accredited external dosimetry services, including technical support, documentation, and dosimeters, based on the types and quantities of external dosimetry required by all key customers. • Accredited internal dosimetry services, including technical support, documentation, and analyses, based on the types and quantities of internal dosimetry required by all key customers. • 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. • 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. <p>Hanford Site contractors shall request, and provide requirements for, service.</p>											

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 contractors.
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).										
<ul style="list-style-type: none"> MSC shall operate the WSCF. Hanford Site contractors shall request analytical services as needed. 										
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 5400.5, 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 2,000 acres, traps and removes animals, and eliminates insect infestations.										
<ul style="list-style-type: none"> MSC shall provide a Hanford Site-wide biological control program. 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.										
<ul style="list-style-type: none"> 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. Hanford Site contractors shall request and provide requirements for service. 										
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, <i>Real Property Asset Management</i>	Usage-based service reimbursed by the user.
Facility Services is a central maintenance function for non-radiological facilities.										
<ul style="list-style-type: none"> 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. PRC and other Site users shall request and provide requirements for service. 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, <i>Packaging and Transportation Safety</i> CRD O 460.2A, <i>Departmental Materials Transportation and Packaging Management</i>	Usage-based service reimbursed by the user.
<p>Motor Carrier Services provides a 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.</p> <ul style="list-style-type: none"> • MSC shall manage, schedule, and conduct motor carrier services. • 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. • 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.
<p>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, front-end loaders, dozers, wreckers, and fuel tankers.</p> <ul style="list-style-type: none"> 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. MSC shall provide and execute the DOE approval of equipment/vehicle procurements when necessary. Hanford Site contractors shall request and provide requirements for service and those using Fleet Services shall provide report input such as the <i>Transportation Management Scorecard</i>. 										

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.
<p>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.</p> <ul style="list-style-type: none"> 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. Upon DOE direction, MSC shall maintain and operate the rail system on the Hanford Site. 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
<ul style="list-style-type: none"> Roads and Grounds consist of road maintenance, 24/7 snow removal, traffic management, and common grounds maintenance service for the Hanford Site. 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. 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
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 WAC 246-291, Group B, Public Water Systems WAC 246-292, Water Works Operator Certification WAC 246-294, Drinking Water Operating Permits 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.

	<p>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.</p> <ul style="list-style-type: none">• 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 <i>Water System Master Plan</i>. 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.• MSC shall provide a "purveyor" (per the Washington Administrative Code and other state regulations) for MSC water systems.• 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.• 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);• Hanford Site contractors shall input to the <i>Water System Master Plan</i> and negotiate agreements for water utility service.• 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• Upon completion of the RCCC, or at the direction of DOE, the 300 Area water system may be reassigned to the MSC. <p>Note: The 100K Area and 400 Area Water Systems will be operated and maintained by the PRC.</p>
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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.

	<p>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 100N Lagoon from the 100 Area operations.</p> <ul style="list-style-type: none">• 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.• MSC shall update the existing <i>Sewer System Master Plan</i>. 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.• MSC shall coordinate termination of 100N lagoon use with RCCC and determine alternate disposal operations for pumped sewer system waste.• Hanford Site contractors shall provide input to the <i>Sewer System Master Plan</i>.• Legacy facilities that are returned to service will be treated as a base, unless special circumstances require facility upgrades. <p><u>Notes:</u></p> <ul style="list-style-type: none">• 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 100N 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.• The 100K Area and 400 Area sanitary sewer systems will be operated and maintained by the PRC.
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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.
<p>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.</p> <ul style="list-style-type: none"> • MSC shall pick-up, inspect, and dispose of non-radioactive, non-hazardous dry waste. • 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 (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.

	<p>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 <i>Comprehensive Land Use Plan [CLUP]</i>).</p> <ul style="list-style-type: none">• 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.• 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.• MSC shall administer and manage the Site Selection and Excavation Permit process.• MSC shall monitor and assess the use of real property to assure compliance with restrictions, such as institutional controls.• 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.• 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).• MSC shall develop the TYSP for the Hanford Site in coordination with other Site contractors.
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Interface Number	Type of Interface	Activity (Interface)	MSC	PRC	TOC	WTP	RCCC	Other Site Users	Requirements	Cost Allocations
46	I/S	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 <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Records of Decision.</i> Hanford Site <i>Resource Conservation and Recovery Act (RCRA) Post Closure Plans.</i> 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.

	<p>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.</p> <ul style="list-style-type: none"> • 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. • MSC shall provide for integrated planning of LTS for the entirety of the Hanford Site. • MSC shall prepare and maintain the <i>Hanford Long-Term Stewardship Program Plan and Long-Term Surveillance and Maintenance Plans</i>. • 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 <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)</i> 5-year reviews including comment response, interim documentation, and lessons learned. • MSC shall execute LTS for those portions of the Site assigned to the MSC. • Hanford Site contractors provide information for the <i>Hanford Long-Term Stewardship Program Plan, Long-Term Stewardship Surveillance and Maintenance Plans, Annual NEPA Mitigation Action Plan Accomplishments, IC Plan, CERCLA</i> 5-year reviews, <i>Site Transition Plans</i> and annual site-wide institutional controls assessment. • 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. • Hanford Site contractors shall coordinate with the MSC in development of CERCLA RODs including institutional controls to achieve consistency with the LTS Plan. • Hanford Site contractors shall provide information for the Hanford Site Institutional Controls Plan (ICP) in accordance with Hanford Site CERCLA Records of Decision, Hanford Site RCRA post closure plans, and RCRA Permit Corrective Action Modifications.
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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.
<p>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.</p> <ul style="list-style-type: none"> • 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. • Hanford Site contractors deliver FIMS data and input to the <i>Comprehensive Data/Site Management Strategy</i> 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.
<p>The <i>Hanford Site Structures List (List)</i> and <i>Hanford Site Assignment List</i> 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.</p> <ul style="list-style-type: none"> • MSC shall maintain the <i>Hanford Site Structures List</i> and <i>Hanford Waste Site Assignment List</i> serving as Administrator of the data, and is responsible for the platform for the data and Site-wide reporting. • 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. • Proposed changes in assignment of facilities must be ratified by DOE. <p>Hanford Site contractors deliver facilities, structures, and wastes site data and input to the <i>Hanford Site Structures List</i> and <i>Hanford Waste Site Assignment List</i>.</p> <p>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 <i>Hanford Site Structures List</i> and <i>Hanford Waste Site Assignment List</i>, Hanford Site contractors supplying information/ data are responsible for data quality.</p>										

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.
<p>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.</p> <ul style="list-style-type: none"> • 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. • MSC shall coordinate all of the necessary inspection activities with the various site contractors that have eligible facilities for CAS inspections. • MSC shall make the CAS data available to the mission contractors. • 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.
<p>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.</p> <ul style="list-style-type: none"> MSC shall develop and implement a comprehensive <i>Hanford Geospatial Information Strategy and Implementation Plan (H-GIS)</i> to ensure that all spatial data, information and documentation required for accomplishing the Hanford Site missions are captured, managed, and preserved. 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). Hanford Site contractors deliver data to MSC and input to <i>Comprehensive Data/Site Management Strategy</i> 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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. 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) Hanford Site Savings Plan (HSSP) 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 Financial Accounting Standards Internal Revenue Code Internal Revenue Service Regulations FAR 31.205 DEAR 970.3102-2	MSC bears the cost burden of program administration . Contributions are allocated to the participating sponsors (Hanford Site contractor\$).
<ul style="list-style-type: none"> • MSC shall provide administration for the HSPP, HSSP, and HEWT. • 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.
			<p>External Affairs includes assistance to DOE in its programs to communicate with outside entities for Hanford Site tours.</p> <ul style="list-style-type: none"> • 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. • 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. • 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 workspace. • 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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.
			<p>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.</p> <ul style="list-style-type: none"> 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. Hanford Site contractors shall request and provide requirements for service. 							
56	S	Activity (Service – Large Volume: Mandatory; Convenience Copiers: Optional) Reproduction Services	MSC (Service Provider) 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.
			<p>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.</p> <ul style="list-style-type: none"> MSC shall provide printing, duplicating, binding, and reproduction services for the Hanford Site. 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. 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.
			<p>Multi-media Services provides for the development, production, or acquisition of photos, videotapes, movies, audio productions, and other similar types of media.</p> <ul style="list-style-type: none"> 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. MSC shall conduct aerial photography of the Hanford Site (e.g., monthly), as directed by DOE. Whether using MSC, or procuring outside services, Hanford Site contractors shall: <ul style="list-style-type: none"> - Comply with Hanford Site multi-media standards - 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.
<p>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.</p> <ul style="list-style-type: none"> • 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). • MSC shall distribute and pickup mail at defined locations in the contractor's facilities. • 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.
<p>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.</p> <ul style="list-style-type: none"> 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. Hanford Site contractors may request and provide requirements for service. 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	<i>Clinger-Cohen Act</i> OMB A-11, A-300 all applicable Federal Information Technology requirements	MSC bears the cost burden of program administration; Hanford Site contractors bear internal implementation costs.
<p>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.</p> <ul style="list-style-type: none"> MSC shall develop a <i>Computing and Telecommunications Strategic Plan</i>. PRC and TOC shall provide input to the <i>Computing, Telecommunications, and Content (Records) Management Strategic Plan</i>. 										
61	S	Activity (Service – Mandatory) Telephone Services	MSC (Service Provider) 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.
<p>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.</p> <ul style="list-style-type: none"> 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; off-premise stations; telephone service to offsite offices occupied by Hanford Site end-users; alerting systems; and other miscellaneous voice and data circuits. 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.
<p>Pager Services provides the electronic network and devices for Hanford Site paging.</p> <ul style="list-style-type: none"> 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. 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. Hanford Site contractors may request and provide requirements for service. 										
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.
<p>Radio Services for Crafts provides radio communication infrastructure and licensing.</p> <ul style="list-style-type: none"> MSC shall provide engineering, maintenance and operations of non-emergency radio communication services, including associated infrastructure. 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. 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
<p>Radio Services for Emergency Services provides radio communication infrastructure and licensing.</p> <ul style="list-style-type: none"> • MSC shall provide engineering, maintenance and operations of radio communication services, including two-way, fire dispatch, safety and emergency preparedness, security systems and infrastructure. • 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. • Hanford Site contractors shall: <ul style="list-style-type: none"> - Follow Hanford Site radio frequency policy and use the MSC for radio spectrum licensing; and - 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, <i>Physical Protection</i>	Usage-based service reimbursed by the user.
<p>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.</p> <ul style="list-style-type: none"> 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. Hanford Site contractors shall request and provide requirements for service. 										
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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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.							
			<ul style="list-style-type: none"> MSC shall provide Hanford Site-wide RIDS database for Hanford Site Federal records. 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.							
			<ul style="list-style-type: none"> MSC shall ensure that records in identified collections are indexed, authenticated, metadata complete, and are accessible to those that have a business requirement. 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.). <ul style="list-style-type: none"> • MSC shall provide long-term physical storage for paper and other hard copy media records and maintain information systems to manage that collection. • 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 <i>Integrated Hanford Life-Cycle Clean-up Plan</i> that optimizes the mission life-cycle, enabling DOE to ensure cost and schedule efficiency while adequately anticipating and managing programmatic risk. <ul style="list-style-type: none"> MSC shall perform Hanford Site portfolio integration, provide simulation and optimizing analysis tools, and coordinate and assist with integrated scheduling and performance evaluation. MSC shall develop an <i>Integration Issues Management Plan</i>, provide <i>Hanford Portfolio Planning</i>, develop and maintain an <i>Integrated Hanford Life-Cycle Clean-up Plan</i>, and shall evaluate project and program performance against the <i>Integrated Hanford Life-cycle Baseline</i>. Hanford Site contractors shall provide information to the MSC as necessary to complete the Hanford Portfolio Planning, Analysis & Performance Assessment activities. 							
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. <ul style="list-style-type: none"> 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. 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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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.
<p>Waste forecast system identifies future quantities of hazardous and radioactive waste generation for wastes managed by the contract.</p> <ul style="list-style-type: none"> PRC shall operate and maintain SWITS and SWIFT, and make available to other Site contractors. Hanford Site contractors shall provide waste generation data. 										
74	P	Activity (Service - Mandatory) Low Level Waste (LLW) and Mixed Low Level Waste (MLLW) Treatment, Storage, and Disposal	MSC	PRC (Service Provider) Receive waste	TOC Package and deliver to PRC	WTP Provide waste to TOC	RCCC Package and deliver to PRC	Other Site Users Package and deliver to PRC, except DOE	Requirements HNF-EP-0063, Hanford Site Solid Waste Acceptance Criteria HNF-25842, Solid Waste Operations Complex (SWOC) Authorization Agreement (AA)	Cost Allocations -PRC provides ready-to-serve capability. Waste generators provide funding for packaging, treatment, transport (including unloading), storage, and disposal. -RCCC only pays for treatment, packaging, and transport. -TOC pays WTP waste disposal costs.
<p>This activity provides for LLW and MLLW Treatment, Storage, and Disposal.</p> <ul style="list-style-type: none"> PRC shall perform waste unloading, receipt, storage, and disposal of LLW and MLLW. 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. - Waste generators provide funding to PRC for the increment of work resulting from their waste. - RCCC pays only for TRU treatment and packaging, and TRU transport to PRC.
This activity provides for TRU and TRUM certification and loading waste for shipment to the Waste Isolation Pilot Plant (WIPP).										
<ul style="list-style-type: none"> • 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. • 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. • CCP will provide, operate, and maintain RTR equipment, drum assay equipment, large box NDE/NDA equipment (if needed), and mobile loading equipment. • CCP will operate and maintain the Hanford Super-HENC equipment for Standard Waste Box (SWB) assay. • CCP will operate the Shipping and Receiving Bay within WRAP for TRUPACT loading. PRC will operate and maintain the balance of the WRAP facility. • CCP will provide the equipment for and perform head space gas sampling (HSGS) and analysis. • CCP will establish and implement appropriate ESH&Q programs to support CCP activities. • PRC will perform initial (in-field) assay of retrieved waste, as necessary, to segregate TRU from non-TRU waste. • PRC will perform all waste repackaging activities. • PRC will provide facility records, packaging records, and other documents necessary for CCP to prepare waste certification packages. 										

		<ul style="list-style-type: none">• PRC will provide the necessary public release clearances for CCP generated documents.• PRC will provide the infrastructure to support installation and operation of the CCP-provided RTR equipment, drum assay equipment, and mobile loading equipment.• PRC will provide the facility and infrastructure to support the installation and operation of the large box NDE/NDA equipment, if needed.• PRC will provide mobile crane and crane operator support for CCP mobile loading equipment.• PRC shall receive TRU waste from other site users and provide interim storage if required.• PRC will identify ESH&Q interfaces with CCP. Other Hanford Generators of TRU waste will provide TRU waste to PRC that complies with WIPP waste acceptance criteria.
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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.
<p>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.</p> <ul style="list-style-type: none"> 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. 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 61 FR 10736, March 15, 1996, Doc. 96-6291 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. <ul style="list-style-type: none"> PRC shall operate and maintain the Canister Storage Building. TOC and PRC shall coordinate on modifications of the CSB for receipt of the IHLW. 										
78	P	Immobilized low activity waste (ILAW) Disposal	N/A	PRC (Service Provider) 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. <ul style="list-style-type: none"> PRC shall operate the Integrated Disposal Facility and receive/dispose waste. 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.
<p>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.</p> <ul style="list-style-type: none"> PRC shall conduct the groundwater/vadose zone integration project. 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 <i>Integrated Plan and Schedule for all soil and groundwater work</i>, and the annual <i>Groundwater Monitoring Report</i>. 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 <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Groundwater and Deep Vadose Zone Remediation Activity Progress Reports</i>. 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 PRC 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.
<p>This activity provides for maintenance, configuration control, and upgrading of key Hanford Site environmental assessment databases.</p> <ul style="list-style-type: none"> The PRC shall serve as Data Manager for the following information systems: <ul style="list-style-type: none"> - Hanford Environmental Information System (HEIS); - Sample Data Tracking (SDT) System; - Hanford Well Information System (HWIS); - Waste Information Data System (WIDS). 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. 										
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.
<p>This activity includes drilling and decommissioning of Hanford Site wells.</p> <ul style="list-style-type: none"> 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 <i>Hanford Site Well Decommissioning Plan</i>. Hanford Site contractors shall provide input for the <i>Hanford Site Well Decommissioning Plan</i>. 										

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. <ul style="list-style-type: none"> • RCCC shall package SNF fragments and transport to PRC. • 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.
<p>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.</p> <ul style="list-style-type: none"> • TOC shall integrate with the WTP contractor, develop the <i>Integrated Waste Feed Delivery Plan</i>, and the <i>River Protection Project System Plan</i>, and operate the DST system. • WTP shall provide input for feed delivery integration. 										
84	S	Vent and Balance	Receive service from TOC	Receive service from TOC	TOC (Service Provider) Provide service to PRC, RCCC, and MSC	Optional	Optional	N/A		Usage-based service reimbursed by the user.
<p>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.</p> <ul style="list-style-type: none"> • 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. • 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	Requirements	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 ASTC	N/A	N/A	N/A		Funded through TOC; provided at no cost to Hanford Site contractors.
			Analytical Services are performed by the Analytical Services and Testing Contractor (ASTC), a separate prime contractor to DOE-ORP, while laboratory facility operations and maintenance are performed by the contractor. <ul style="list-style-type: none"> • TOC shall operate and maintain the 222-S Laboratory Complex to support analysis activities performed by the ASTC. • ASTC will provide input and coordination to support operations. 								
Interface Number	Type of Interface	Activity (Interface)	ASTC	MSC	PRC	TOC	WTP	RCCC	Other Site Users	Requirements	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. <ul style="list-style-type: none"> • TOC shall interface with the ASTC to develop sample analysis rates and waste generation estimates. • Hanford Site contractors shall use integrated planning products to plan sample analysis expenditures. • 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.
<p><i>Tank Closure and Waste Management EIS and ROD</i> 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.</p> <ul style="list-style-type: none"> • DOE-ORP will develop the <i>Tank Closure and Waste Management EIS and ROD</i>. • Hanford Site contractors shall provide input to the <i>Tank Closure and Waste Management EIS and ROD</i>. 										

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 ICD 2, Potable Water ICD 3, Radioactive Solid Wastes ICD 5, Non-Radioactive, Non-Dangerous Liquid Effluents ICD 6, Radioactive Dangerous Liquid Effluents ICD 9, Land for Siting ICD 11, Electricity ICD 12, Roads ICD 14, Immobilized High-Level Waste ICD 15, Immobilized Low-Activity Waste ICD 19, Low-Activity Waste Feed ICD 23, Waste Treatability Samples ICD 28, Pit 30 Aggregate Supply for Construction ICD 29, Waste Sodium	Hanford Site contractors bear internal costs associated with WTP ICD participation, review and approval.

			<p>WTP interface provides support for WTP construction.</p> <ul style="list-style-type: none">• MSC, PRC, and TOC will participate with WTP in the revision and approval of WTP ICDs.• 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.• 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.• WTP shall maintain WTP Interface Control Documents.
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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 Services 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.											
		Activity (Service - Optional)	The 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 The Occupational Health Services Contractor (OHSC) under a separate prime contract to DOE-RL provides 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. 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 of 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.	Receive service from site contractors	Receive service from site contractors	Receive service from site contractors	N/A	Receive service from site contractors	Optional service		Fee for service
92	I/S	Personnel Security Services	PSSC (Service Provider) 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 PSSC	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 Personnel 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 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.	Receive service	Receive service	Receive service	Receive service	Receive service	Receive service		Fee for service
94	S	Sample Analysis (highly radioactive)	ASTC (Service Provider) Provide services to TOC and PRC Analytical Services are performed by the Analytical Services and Testing Contractor (ASTC) under a separate prime contract to DOE-ORP. ASTC 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.	N/A	Receive services from ASTC	Receive services from ASTC	N/A	N/A	N/A		Fee for service and use Service Level Agreements for cost of service.
			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)	ESPC (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 the ESPC from PBS-40.
<p>The Energy Savings Performance 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.</p>											
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.	
<ul style="list-style-type: none"> RCCC performs treatment, storage, and disposal of Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) LLW and CH/RH-MLLW. Hanford Site contractors shall request and provide requirements for service. 											

Section J.4 Performance Evaluation and Measurement Plan (PEMP)

Attachment 2 –Performance Measures for Base Contract Period, Effective: FY 2010-2013

The performance measures described in this attachment provide performance criteria for the base contract period, specifically for during FY 2010-FY 2013. Section J.4, Attachment 1, contains performance measures incorporated into the contract during FY 2009 including some “multi-year” performance based incentives (PBIs) that have milestones in 2010 and 2011. Configuration Table

Version	Date Approved	Summary of Changes
Original	May 12, 2010 (Modification 54)	Established FY 2010-2013 PBIs
Revision 1	July 14, 2010 (Modification 59)	Addition of PBI 3-20 through PBI 3-24
Revision 2	August 27, 2010 (Modification 66)	Addition of PBI 2.18
Revision 3	September 23, 2010 (Modification 72)	Addition of PBI 7.3 through PBI 7.6
Revision 4	January 12, 2011 (Modification 87)	Update PBIs 1.1, 1.3 and 2.17
Revision 5	April 4, 2011 (Modification 101)	Increase unallocated fee pool amount
Revision 6	April 4, 2011 (Modification 102)	Misc. Changes to PBI 1, PBI 2 and PBI 3
Revision 7	April 15, 2011 (Modification 105)	Increase unallocated fee pool amount
Revision 8	May 26, 2011 (Modification 109)	Increase unallocated fee pool amount
Revision 9	June 22, 2011 (Modification 111)	Adjust PBIs to reflect decrease in total available Base Period fee pool.
Revision 10	July 14, 2011 (Modification 118)	Increase unallocated fee pool amount
Revision 11	July 29, 2011 (Modification 123)	Increase unallocated fee pool amount
Revision 12	August 4, 2011 (Modification 126)	Increase unallocated fee pool amount
Revision 13	September 7, 2011 (Modification 128)	Misc Changes to PBIs 2.6 – 2.15
Revision 14	September 23, 2011 (Modification 131)	Increase unallocated fee pool amount
Revision 15	September 29, 2011 (Modification 135)	Increase unallocated fee pool amount
Revision 16	See date of Modification 142	Adjust PBI's 1.4 and 2.1 to reflect increase in total available Base Period fee pool

PBI-1.4 CLIN 1 222-S Upgrades and Life Extension Projects Completion

Performance Fee value is established at \$846,000. \$398,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$448,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal (with dates identified below) or Straight-Line Method (September 30, 2013)

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$ 96,000	Straight Line	\$48,000	\$48,000
2	\$ 50,000	Terminal	\$50,000	\$0
3	\$ 50,000	Terminal	\$0	\$50,000
4	\$ 50,000	Terminal	\$0	\$50,000
5	\$ 600,000	Straight Line	\$300,000	\$300,000
Total	\$ 846,000		\$398,000	\$448,000

Desired Endpoint/Outcome

The 222-S Laboratory, with its unique capabilities to analyze and store highly radioactive tank waste samples, must operate reliably in support of the tank waste cleanup mission. The contractor must replace systems in support of 222-S Laboratory and life extension projects and complete four life extension project upgrades.

Fee-Bearing Milestones

1. Replace twelve (12) pieces of analytical equipment at the 222-S Laboratory. Fee on six pieces of analytical equipment is not available to be earned. The Contractor shall earn \$8,000 of incremental fee upon completion of each piece of equipment replaced (total of \$48,000 of incremental fee is available and a total of \$48,000 of incremental fee is not available to be earned).

Work scope/completion criteria: Replace twelve pieces of analytical equipment at the 222-S Laboratory such as viscometer, liquid scintillation counter, thermal desorption units, GC, ASE, (actual equipment to be replaced may change due to emergent needs).

Completion Document: Letter transmitting performance expectation completion notice and copy of the work package signature page documenting completion of installation.

PBI-2.1 CLIN 2 Vadose Zone/Barriers

Performance Fee value is established at \$10,700,000. \$8,200,000 of the total base period fee pool has been allocated to this PBI and is available to be earned. \$2,500,000 is not allocated and is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee even if the workscope is complete.

Fee Structure: Terminal Method

Milestone	Fee Value	Method	Amount allocated and available to be earned	Amount not allocated and not available to be earned
1	\$2,000,000	Terminal	\$2,000,000	\$0
2	\$ 600,000	Terminal	\$ 600,000	\$0
3	\$ 250,000	Terminal	\$ 250,000	\$0
4	\$ 600,000	Terminal	\$ 400,000	\$ 200,000
5	\$ 500,000	Terminal	\$ 500,000	\$0
6	\$ 500,000	Terminal	\$0	\$ 500,000
7	\$4,000,000	Terminal	\$2,800,000	\$1,200,000
8	\$1,000,000	Terminal	\$1,000,000	\$0
9	\$ 300,000	Terminal	\$ 300,000	\$0
10	\$ 600,000	Terminal	\$0	\$ 600,000
11	\$ 200,000	Terminal	\$ 200,000	\$0
12	\$ 150,000	Terminal	\$ 150,000	\$0
Total	\$10,700,000		\$8,200,000	\$2,500,000

Desired Endpoint/Outcome

Upon completion of these PBI activities, the following outcomes will be achieved:

Barriers: Characterization of four high priority sites for possible future interim surface barriers has been completed to support definition and design of barriers. Barrier design has been completed for three tank farm interim barriers based on the characterization results. Construction of interim surface barriers in TY farm and two additional locations has been completed.

NOTE: Barrier sites are subject to change based on the outcome of negotiations with Washington State Department of Ecology.

Waste Management Area (WMA) C Characterization and Corrective Measures: Phase 2 characterization of Waste Management Area C has been performed, consistent with the WMA C RFI/CMS Work Plan (RPP-PLAN-39114), including surface geophysical exploration (SGE) of two unplanned release sites and collection of soil samples using the direct push unit. Testing of a beta probe has been completed to support design of a field deployable unit. The WMA C

Completion document: Letter transmitting the construction completion document approved through Section 1, Physical Construction Completion and Completion of Construction Acceptance Tests (if required) per Statement of Work (SOW), of the SX south barrier, per the documented and ORP-approved design.

6. Complete Construction of SX Farm North Interim Surface Barrier (or alternate location, as agreed by the ORP and the Contractor) by June 30, 2013 or by date required by TPA milestone M-045-92 if revised, whichever is later. The Contractor shall earn \$500,000 of incremental fee upon completion. Fee for this milestone is not available to be earned.

Work scope/completion criteria: An interim surface barrier in 241-SX farm, north shall be constructed per the documented and ORP-approved design.

Completion document: Letter transmitting the construction completion document approved through Section 1, Physical Construction Completion and Completion of Construction Acceptance Tests (if required) per Statement of Work (SOW) of the SX farm north barrier.

7. Implement direct push soil characterization in Waste Management Area (WMA) C by June 30, 2013, to support development of a corrective measures study for WMA closure, in accordance with the WMA C RFI/CMS Work Plan (RPP-PLAN-39114). The Contractor shall earn incremental fee at a rate as indicated in the table below for each set of samples obtained per the plan.

Milestone	Item	Description	Fee
7	1	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	2	Direct push soil characterization in WMA C – 2 locations (16 samples)	\$400,000
7	3	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	4	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	5	Direct push soil characterization in WMA C – 3 locations (24 samples)	\$600,000
7	6	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	7	Direct push soil characterization in WMA C – 3 locations (24 samples) Fee is not available to be earned.	\$600,000 of incremental fee is not available to be earned
7	8	Direct push soil characterization in WMA C – 1 location (8 samples)	\$200,000
Milestone 7 Total			\$2,800,000

Milestone 7 Total	\$2,800,000 available to be earned and \$1,200,000 not available to be earned
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Work scope/Completion Criteria: Perform direct push logging, sampling and probe hole decommissioning at sites identified in the WMA C work plan, per the plan including obtaining surface samples, as directed by the plan. Deliver the samples to the laboratory for analysis and commence analysis per the plan.

Completion documents: A letter report will be submitted to the ORP providing direct push locations, probe-hole logging results, sample identification numbers, and chain of custody forms for each direct push location and associated samples. Completion reports may be submitted periodically for completion of one or more locations in each report.

8. Perform vadose zone electrical resistivity characterization, including Surface Geophysical Exploration (SGE) and use of deep electrodes as appropriate, at two unplanned release (UPR) sites in C tank farm by September 30, 2011 for the first site and December 31, 2011 for the second site. The Contractor shall earn \$500,000 of incremental fee upon completion of each site (total of \$1,000,000 available incremental fee).

Work scope/completion criteria: Perform vadose zone electrical resistivity characterization at the following unplanned release (UPR) sites in waste management area C:

1. UPR-200-E-86
2. UPR-200-E-82

At each location, collect surface to surface resistivity data and surface to deep electrode resistivity data, using the previously installed deep electrodes. Analyze the data to identify resistivity anomalies.

Completion document: For each UPR, submit a letter report to the ORP providing the results of data analysis and the resistivity anomaly maps for the UPR in waste management area C.

9. Perform testing of a beta detection system, identify detector design improvements, and define design requirements for a field deployable system by December 31, 2010. The Contractor shall earn \$300,000 of incremental fee upon completion.

Work scope/completion criteria: In FY 2009, initial laboratory testing of a proof-of-concept beta detection probe was performed (RPP-ENV-42267) and showed promise. The initial detector will be further tested, an enhanced detector will be designed, constructed and tested, and requirements for design of a vadose zone field deployable system will be defined.

Completion document: Provide to DOE a letter report documenting the results of further testing of the proof-of-concept beta detection system, testing results of the enhanced detector, and requirements for design of a field deployable beta detection system.

PBI-Reserved - Unallocated Base Period Fee

The Total Unallocated Base Period Fee value is \$11,251,072. The Total Available Unallocated Base Period Fee value is \$4,194,167. The Total Unavailable Unallocated Base Period Fee value is \$7,056,905, which includes \$6,824,905 in original Unavailable Unallocated Base Period Fee and \$232,000 in Unavailable Unallocated Base Period Fee as a result of reactivation of on-hold PBI's. Unavailable Unallocated Base Period Fee is not available to be earned. The Contractor is not entitled to this unallocated and unavailable fee.

Available Unallocated Base Period Fee:	\$4,194,167 (Mod 142)
Available Unallocated ARRA Fee:	\$ 0
Total Available Unallocated Fee:	\$4,194,167 (Mod 142)

Fee Structure: Method to be determined

Fee will be allocated to award fee or additional performance based incentives as the need is identified before the end of fiscal year 2012 for base fee, and before the end of FY 2011 for ARRA fee.