AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. 0049

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. 21EM000073

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE 893040

Office of River Protection
U.S. Department of Energy
Office of River Protection
P.O. Box 450
Richland WA 99352

7. ADMINISTERED BY *(If other than Item 6)* CODE 00603

Office of River Protection
U.S. Department of Energy
Office of River Protection
P.O. Box 450
Richland WA 99352

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

WASTREN ADVANTAGE, INC.
Attn: STEVE MOORE
1571 SHYVILLE ROAD
PIKETON OH 45661

CODE 786467159 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0003722

10B. DATED *(SEE ITEM 13)* 05/28/2015

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*
See Schedule

Net Increase: $2,380,523.38

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 data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* FAR 43.103 Types of Contract Modifications (a) Bilateral - Mutual Agreement of the Parties

E. IMPORTANT: Contractor ☐ is not ☒ is required to sign this document and return 1 copies to the issuing office.

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

The purpose of this modification is to obligate funding in the amount of $2,380,523,38. The funding is obligated by CLIN as follows:

CLIN 00024 - $1,975,903.78
CLIN 00025 - $49,397.60
CLIN 00026 - $281,418.00
CLIN 00027 - $73,804.00
Total - $2,380,523.38

The total amount of funds obligated to CLIN 00024 is increased by $1,975,903.78 from $1,185,542.27 to $3,161,446.05.

Continued ...

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

15A. NAME AND TITLE OF SIGNER *(Type or print)*
Jessica Linton - Prime Contracts Manager

16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*
Katie A. Mair

15B. CONTRACTOR/OFFEROR
Jessica Linton
(Signature of person authorized to sign)

15C. DATE SIGNED 10/27/2020

16B. UNITED STATES OF AMERICA
Katie Mair
Digitally signed by Katie A. Mair
DN: cn=Katie A. Mair, o=Office of River Protection, ou=U.S. DOE, email=katie_mair@orp.doe.gov, c=US
Date: 2020.10.28 07:09:56 -07'00'
Adobe Acrobat version: 2017.011.30078
(Signature of Contracting Officer)

16C. DATE SIGNED

NAME OF OFFEROR OR CONTRACTOR
WASTREN ADVANTAGE, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	The total amount of funds obligated to CLIN 00025 is increased by $49,397.60 from $29,638.56 to $79,036.16. The total amount of funds obligated to CLIN 00026 is increased by $281,418.00 from $169,850.80 to $451,268.80. The total amount of funds obligated to CLIN 00027 is increased by $73,804.00 from $44,282.40 to $118,086.40. Section B, Supplies or Services Prices/Cost, B.03 Limitation of Government's Obligation, table (o) Actual Funding Schedule is updated to reflect the revised obligation funding values. The revised Section B is attached. Section J, List of Attachments, Attachment J.1 - List of Applicable DOE Directives, is revised to update DOE O 442.1A, CRD to DOE O 442.1B, CRD at no cost. The revised Section J is attached. There are no other changes to the contract. Attachments: Section B - Supplies or Services Prices/Cost Section J - List of Attachments End of modification. Payment: OR for ORP U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 6017 Oak Ridge TN 37831 Period of Performance: 09/21/2015 to 09/20/2021				

PART I – THE SCHEDULE

SECTION B - SUPPLIES OR SERVICES PRICES / COST

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SECTION B - SUPPLIES OR SERVICES PRICES / COST

B.01 TYPE OF CONTRACT – ITEMS BEING ACQUIRED

This is a hybrid contract that includes Fixed-Price with Award Fee, Labor-Hour, and Cost Reimbursement Contract Line Items (CLINS) for the purpose of providing analytical laboratory services at the Department of Energy (DOE) Hanford 222-S Laboratory located in the 200 West Area of the Hanford Site near Richland, Washington. The Contractor shall provide all services required to operate, manage and maintain the Hanford 222-S Laboratory as described in Section C, Description/Specifications/Performance Work Statement (PWS). Specifically, DOE requires a Contractor to provide services that include, but are not limited to: receiving, handling, analyzing, and storing samples; performing special tests; and reporting results. This acquisition supports the Hanford Site tank cleanup program and other site clean-up projects. Samples sent to the 222-S Laboratory typically consist of highly radioactive or hazardous waste materials in gas, liquid, semi-solid or solid matrix form.

B.02 PRICE SCHEDULE

Base Period: Months 1 through 24 (November 15, 2015 – September 20, 2017)

CLIN	SCHEDULE OF SUPPLIES/SERVICES	QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED AMOUNT
00001	Contract Transition – Fixed Price	1	Lump Sum		$ 334,187.94
00002	Routine Analytical Services [1] – Fixed Price	22	Months	$604.641.95	$13,302,122.82
00003	Award Fee [2]	1	Lump Sum		$ 335,415.58
00004	Surges in Analytical Services [3] – Labor Hour	1	Lump Sum[5]		$ 264,726.53
00005	Pensions and Other Benefit Plans [4] – Cost Reimbursement	1	Lump Sum		$ 3,473,500.00
00018	Court Subpoena	1	Lump Sum		$77,778.67
00019	Hanford Low Activity Radioactive Test Bed Project	1	Lump Sum		$142,873.00
	Total Price – Base Period				$17,930,604.54

(a) The Total Available Award Fee for the Base Period is as follows:

PERFORMANCE PERIOD	AVAILABLE AWARD FEE
21 September 2015 through 20 September 2017 3 through 12 Months from the end of Contract Transition[2]	Subtotal A: $_142,770.95___
13 through 24 Months from the end of Contract Transition[2]	Subtotal B: $_189,782.63
Total Available Award Fee CLIN 00003 (Subtotal A and Subtotal B)	**$**_335,415.58

(b) The Not to Exceed Amount for CLIN 00004 is as follows:

Base Period – Months 3 through 12 (December 21, 2015 – September 20, 2016)			
Labor Category	**Estimated Direct Productive Labor Hours (DPLH)**	**Fixed Unit Rate**	**Extended Amount**
Hot Cell Supervisor	100	$___49.11___	$__4,910.91__
Project Coordination Supervisor	100	$___59.85___	$__5,985.17__
Sr. Project Coordinator	100	$___55.86___	$__5,586.16__
Project Coordinator	100	$___55.17___	$__5,516.73__
Sr. Chemical Technologist	100	$___73.89___	$__7,388.83__
Chemical Technologist	800	$___70.37___	$_56,293.73__
Sr. Scientist	400	$___56.07___	$_22,428.11__
Scientist	400	$___46.04___	$_18,415.90__
Program Administrator	100	$___45.17___	$__4,516.56__
Subtotal			$131,042.11__
Base Period – Months 13 through 24 (September 21, 2016 – September 20, 2017)			
Labor Category	**Estimated DPLH**	**Fixed Unit Rate**	**Extended Amount**
Hot Cell Supervisor	100	$___50.34__	$__5,033.68_
Project Coordination Supervisor	100	$___61.35__	$__6,134.80_
Sr. Project Coordinator	100	$___57.26__	$__5,725.81_
Project Coordinator	100	$___56.55__	$__5,654.65_

Sr. Chemical Technologist	100	$ 75.00	$ 7,500.02
Chemical Technologist	800	$ 71.43	$ 57,140.87
Sr. Scientist	400	$ 57.47	$ 22,988.82
Scientist	400	$ 47.19	$ 18,876.30
Program Administrator	100	$ 46.29	$ 4,629.47
Subtotal			$133,684.42
Total Not-to-Exceed Price – CLIN 00004	Insert this Amount in CLIN 00004 above.		$264,726.53

Option Period 1: Months 25 through 36 (September 21, 2017 – September 20, 2018)

CLIN	SCHEDULE OF SUPPLIES/SERVICES	QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED AMOUNT
00006	Routine Analytical Services [1] – Fixed Price	12	Months	$746,831.99	$ 8,961,983.84
00007	Award Fee [2]	1	Lump Sum		$ 211,845.83
00008	Surges in Analytical Services [3] – Labor Hour	1	Lump Sum[5]		$ 158,152.99
00009	Pensions and Other Benefit Plans [4] – Cost Reimbursement	1	Lump Sum		$ 1,731,500.00
	Total Price – Option Period 1				$11,063,482.66

Option Period 1: Months 25 through 36 (September 21, 2017 – September 20, 2018)			
Labor Category	**Estimated DPLH**	**Fixed Unit Rate**	**Extended Amount**
Hot Cell Supervisor	100	$ 51.59	$ 5,159.40
Project Coordination Supervisor	100	$ 62.88	$ 6,288.02
Sr. Project Coordinator	100	$ 58.69	$ 5,868.82
Project Coordinator	100	$ 57.96	$ 5,795.88
Sr. Chemical Technologist	100	$ 76.13	$ 7,612.70
Chemical Technologist	800	$ 72.50	$57,999.38
Sr. Scientist	400	$ 58.91	$23,562.98
Scientist	400	$ 48.37	$19,347.75
Program Administrator	100	$ 47.45	$ 4,745.10
Total Not-to-Exceed Price – CLIN 00008	Insert this Amount for CLIN 00008 above.		$136,380.02

Option Period 2: Months 37 through 48 (September 21, 2018 – September 20, 2019)

CLIN	SCHEDULE OF SUPPLIES/SERVICES	QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED AMOUNT
00010	Routine Analytical Services [1] – Fixed Price	12	Months	$778,730.50	$9,344,766.04
00011	Award Fee [2]	1	Lump Sum		$ 237,194.74
00012	Surges in Analytical Services [3] – Labor Hour	1	Lump Sum[5]		$ 139,815.30
00013	Pensions and Other Benefit Plans [4] – Cost Reimbursement	1	Lump Sum		$1,620,100.00
00020	Equipment Maintenance Costs	1	Material Reimbursable		$80,301.58
00022	LIMS – Requirements Document	1	Lump Sum		$143,014.64
	Total Price – Option Period 2				$11,565,192.30

Option Period 2: Months 37 through 48 (September 21, 2018 – September 20, 2019)			
Labor Category	**Estimated DPLH**	**Fixed Unit Rate**	**Extended Amount**
Hot Cell Supervisor	100	$ 53.14	$ 5,314.18
Project Coordination Supervisor	100	$ 64.77	$ 6,476.66
Sr. Project Coordinator	100	$ 60.45	$ 6,044.88
Project Coordinator	100	$ 59.70	$ 5,969.76
Sr. Chemical Technologist	100	$ 77.65	$ 7,764.96
Chemical Technologist	800	$ 73.95	$59,159.37
Sr. Scientist	400	$ 60.67	$24,269.87
Scientist	400	$ 49.82	$19,928.18
Program Administrator	100	$ 48.87	$ 4,887.45
Total Not-to-Exceed Price – CLIN 00012	Insert this Amount for CLIN 00012 above.		$139,815.30

Option Period 3: Months 49 through 60 (September 21, 2019 – September 20, 2020)

CLIN	SCHEDULE OF SUPPLIES/SERVICES	QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED AMOUNT
00014	Routine Analytical Services [1] – Fixed Price	12	Months	$801,417.98	$9,617,015.71
00015	Award Fee [2]	1	Lump Sum		$250,230.48
00016	Surges in Analytical Services [3] – Labor Hour	1	Lump Sum[5]		$143,340.51
00017	Pensions and Other Benefit Plans [4] – Cost Reimbursement	1	Lump Sum		$1,655,400.00
00021	Equipment Maintenance Costs	1	Material Reimbursable		$80,301.58
00023	Routine Analytical Services – Second Shift – Fixed Price	1 (June 15, 2020 – June 20, 2020)	Lump Sum		$27,768.00
		1 (June 21, 2020 – July 20, 2020)	Lump Sum		$121,487.00
		1 (July 21, 2020 – August 20, 2020)	Lump Sum		$121,487.00
		1 (August 21, 2020 – September 20, 2020)	Lump Sum		$121,487.00
	Total Price – Option Period 3				$12,138,517.27

Option Period 3: Months 49 through 60 (September 21, 2019 – September 20, 2020)			
Labor Category	**Estimated DPLH**	**Fixed Unit Rate**	**Extended Amount**
Hot Cell Supervisor	100	$___54.74__	$_5,473.61__
Project Coordination Supervisor	100	$___66.71__	$_6,670.96__
Sr. Project Coordinator	100	$___62.26__	$_6,226.23__
Project Coordinator	100	$___61.49__	$_6,148.85__
Sr. Chemical Technologist	100	$___79.20__	$_7,920.26__
Chemical Technologist	800	$___75.43__	$60,342.55__
Sr. Scientist	400	$___62.49__	$24,997.96__
Scientist	400	$___51.32__	$20,526.03__
Program Administrator	100	$___50.34__	$_5,034.07__

Total Not-to-Exceed Price – CLIN 00016	Insert this Amount for CLIN 00016 above.	$143,340.51_

Contract Extension Period: Months 61 through 72 (September 21, 2020 – September 20, 2021)

CLIN	SCHEDULE OF SUPPLIES/SERVICES	QUANTITY	UNIT OF MEASURE	UNIT PRICE	EXTENDED AMOUNT
00024	Routine Analytical Services [1] – Fixed Price	12	Months	$987,951.89	$11,855,422.68
00025	Award Fee [2]	1	Lump Sum		$296,385.57
00026	Pensions and Other Benefit Plans [4] – Cost Reimbursement	1	Lump Sum		$1,688,508.00
00027	Other Hanford Contractors J-3 Pass-through Direct Costs - - Cost Reimbursement	1	Lump Sum		$442,824.04
00028	Surges in Analytical Services [3] – Labor Hour	1	Lump Sum[5]		$36,558.90
	Total Price – Contract Extension Period				$14,319,699.19

Contract Extension Period: Months 61 through 72 (September 21, 2020 – September 20, 2021)			
Labor Category	**Estimated DPLH**	**Fixed Unit Rate**	**Extended Amount**
Project Coordinator	40	$67.40	$2,695.83
Chemical Technologist	160	$92.75	$14,840.29
Sr. Scientist	80	$84.41	$6,752.77
Scientist	80	$71.39	$5,711.24
First Line Manager	40	$92.11	$3,684.29
Quality Assurance Specialist	40	$71.86	$2,874.48
Total Not-to-Exceed Price – CLIN 00028	Insert this Amount for CLIN 00028 above.		$36,558.90

Total Contract Price – CLINs 00001 through 00028	$67,017,495.96

Price Schedule Notes:

1. Work under the Contract Transition and Routine Analytical Services CLINs: 00001, 00002, 00006, 00010, 00014, 00024 shall be performed on a Fixed Price basis.

2. Available award fee only applies to CLINs 00002, 00006, 00010, 00014, 00023 and 00024.

3. The estimated cost in CLINs 00004, 00008, 00012, 00016, and 00028 is for surges in analytical services that may occur. All work performed under these CLINs shall be on a labor hour basis. This work is not included in the Fixed Price CLINs identified in Note 1 above. All work performed under these CLINs shall be authorized by the Contracting Officer prior to performing the work. The Fixed Unit Rate is a fully burdened labor rate. The estimated hours for each labor category are only estimates. The Contractor can shift hours between labor categories as needed as long as the total dollar amount remains below the total Not-to-Exceed Price.

4. Work associated with Pensions and Other Benefits Plans CLINs: 00005, 00009, 00013, 00017, 00026 are to be performed on a Cost Reimbursable basis with no Award Fee.

5. The Lump Sum Amount of CLINs 00004, 00008, 00012, 00016, 00028 refers the Not-to-Exceed amounts.

B.03 LIMITATION OF GOVERNMENT'S OBLIGATION

(a) This contract's CLIN 00001, CLIN 00002, CLIN 00006, CLIN 00010, CLIN 00014, CLIN 00023 and 00024 have traditional Federal Acquisition Regulation fixed prices and contract terms and conditions, with the exceptions that: CLIN 00001, CLIN 00002, CLIN 00006, CLIN 00010, CLIN 00014, CLIN 00023 and CLIN 00024 or all may be incrementally funded; and if a CLIN is incrementally funded, in the event of termination before it is fully funded the Government's maximum liability for the CLIN will be the lower of the amount of funds allotted to the CLIN or the amount payable to the Contractor per the Termination for Convenience (Fixed-Price) clause of this contract. For each CLIN there is
   1) a fixed price for the action;
   2) a fixed amount of work that corresponds to the fixed price;
   3) a planned funding schedule that corresponds to the fixed price and the fixed amount of work;
   4) no Government obligation to the Contractor until the Government allots funds to the contract for the action;
   5) if the Government allots funds, a maximum Government obligation, including any termination obligations, to the Contractor equal to the allotted funds; and
   6) an obligation that the Government will pay the Contractor for the work the Contractor performs for which funds were allotted based on the price of the work performed, not the costs the Contractor actually incurs.

(b) For each CLIN
   1) the Government's maximum obligation, including any termination obligations and obligations under change orders, equitable adjustments, or unilateral or bilateral contract modifications, at any time is always less than or equal to the total amount of funds allotted by the Government to the contract for the CLIN;
   2) the Contractor explicitly agrees it reflected (that is, included or could have included an additional amount) in its offered price and in the subsequent negotiated fixed price for each of the fixed-price CLINs included in this contract:
      i. the added complexity, challenges, and risks (including all risks, costs or otherwise, associated with termination as articulated in this clause) to which the

Contractor is subject due to the incremental funding arrangement established in this clause; and

ii. the specific risk that in the event of termination of an incrementally funded CLIN before the CLIN is fully funded, the Contractor could receive less than the Termination for Convenience (Fixed-Price) clause of this contract would allow, that is, because the maximum Government obligation for a fixed-price CLIN is the allotted funds for the CLIN, the Contractor will receive the lower of the allotted funds or what the Termination for Convenience (Fixed-Price) clause of this contract would allow.

3) the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government, which is the price of the services the allotted funds cover, equals the total amount allotted to the contract for the services;

4) if funds become available and the Government's need continues, the Government will allot funds periodically to the CLIN, the Contractor will provide a fixed amount of work for the funds allotted, and the Government will pay the Contractor based on the price of the fixed amount of work. The Government will not pay the Contractor based on the costs the Contractor incurs in performing the work; and

5) the Contractor agrees to provide the fixed amount of work for the fixed price identified in the contract's Section B, Supplies or services and prices/costs, and in accordance with the delivery schedule identified in the contract's Section F, Deliveries or performance, provided the Government provides the funding per or earlier than the Planned Funding Schedule in paragraph (n) of this clause. At any time, the cumulative amount of funds allotted is the fixed price for the cumulative fixed amount of work identified with the funds.

(c) For each CLIN

1) The fixed price (of both the entire CLIN and of the current cumulative amount of funds allotted to the CLIN at any time during contract performance) is not subject to any adjustment on the basis of the Contractor's cost experience;

2) The contract places the maximum risk and full responsibility on the Contractor for all costs and resulting profit or loss; and

3) If the Government meets the entire Planned Funding Schedule,

i. the cumulative amount of funds allotted will equal the CLIN's fixed price and

ii. the Contractor must provide the work the contract requires for the CLIN.

(d) The fixed price for each CLIN is listed in Section B of this contract.

(e) The Planned Funding Schedule for each CLIN is in paragraph (n) of this clause. The sum of the planned funding for each CLIN equals the fixed price of the CLIN.

(f) The Actual Funding Schedule for each CLIN is in paragraph (o) of this clause. It specifies the actual amount of funds allotted and presently available for payment by the Government separately for CLIN 00001, CLIN 00002, CLIN 00006, CLIN 00010, CLIN 00014, CLIN 00023 and CLIN 00024 and the work to be performed for the funds allotted.

1) The Contractor may bill against a CLIN only after the Government has allotted funds to the CLIN and the Contractor has delivered the services and earned amounts payable for the CLIN.

i. The Contractor may bill only the lower of the two preceding amounts, that is, the lower of allotted funds or amount payable.

(g) If during the course of this contract the Government is allotting funds to a CLIN per or earlier than the Planned Funding Schedule, this contract to that point will be considered a simple fixed-price contract for that CLIN regardless of the rate at which the Contractor is, or is not, earning amounts payable, and

1) The Government's and the Contractor's obligations under the contract for the CLIN—with the exception that the Government's obligation for the CLIN is limited to the total amount of funds allotted by the Government to the CLIN and similarly the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted—will be as if the CLIN were both fixed price and fully funded at time of contract execution, that is, the Contractor agrees that: it will perform the work of the contract for that CLIN; and neither the fixed-price for the CLIN nor any other term or condition of the contract will be affected due to the CLIN's being incrementally funded.
    i. The Contractor agrees, for example, if the Government allots funds to a CLIN per or earlier than all of the funding dates in the Planned Funding Schedule for the CLIN, the Government has met all of its obligations just as if the CLIN were fully funded as of the time of contract execution and the Contractor retains all of its obligations as if the CLIN were fully funded as of the time of contract execution, while at the same time the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted to the contract; consequently, if the Contactor earns amounts payable at any time in performing work for the CLIN that exceed the total amount of funds allotted by the Government to the contract for the CLIN
        A. it (not the Government) will be liable for those excess amounts payable
        B. it will remain liable for its obligations under every term or condition of the contract and
        C. if it fulfills all of its obligations for that CLIN and the Government allots funds to the CLIN equal to the CLIN's fixed price, the Government will pay it the fixed price for the CLIN and no more.
    ii. The Contractor also agrees, for example, if the Government allots funds to a CLIN by the first funding date in the Planned Funding Schedule, the Government has met all of its obligations up to that point in the contract as if the CLIN were fully funded (that is, as if progress payments based on cost had been agreed to and had been made, or milestone payments had been agreed to and been made, or etc.) and the Contractor retains all of its obligations up to that point (such as meeting delivery schedules, maintaining quality, etc.) as if the CLIN were fully funded; consequently, if the Government subsequently terminates the CLIN it will pay the Contractor the lower of the following two amounts: the amount allotted by the Government to the CLIN; or the amount payable per the Termination for Convenience (Fixed-Price) clause of this contract.

(h) The Contractor shall notify the Contracting Officer in writing whenever it has reason to believe that the amount payable it expects to earn for the CLIN in the next 60 days, when added to all amounts payable previously earned, will exceed 75 percent of the total amount allotted to the CLIN by the Government.
    1) The notification is for planning purposes only and does not change any obligation of either the Government or the Contractor.
    2) The Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government equals the total amount allotted to the CLIN.
    3) The Government may require the Contractor to continue performance of that CLIN for as long as the Government allots funds for that CLIN sufficient to cover the amount payable for that CLIN.

(i) If the Government does not allot funds to a CLIN per or earlier than its Planned Funding Schedule, the Contractor will be entitled to an equitable adjustment and

1) the Government's maximum obligation, including any termination obligation, to reimburse the Contractor remains limited to the total amount of funds allotted by the Government to the contract for that CLIN;
2) the Contractor is not authorized to continue work beyond the point at which the total amount payable by the Government, equals the total amount allotted to the contract;
3) if the Government subsequently terminates the CLIN, it will pay the Contractor the lower of the following two amounts: the total amount of funds allotted by the Government to the contract for the CLIN; or the amount payable per the Termination for Convenience (Fixed-Price) clause of this contract.

(j) Except as required by either other provisions of this contract specifically citing and stated to be an exception to this clause, or by, among other things, terminations, change orders, equitable adjustments, or unilateral or bilateral contract modifications specifically citing and stated to be an exception to this clause, for either CLIN—
1) The Government is not obligated to reimburse the Contractor in excess of the total amount allotted by the Government to this contract for the CLIN; and
2) The Contractor is not obligated to continue performance under this contract related to the CLIN or earn amounts payable in excess of the amount allotted to the contract by the Government until the Contracting Officer notifies the Contractor in writing that the amount allotted by the Government has been increased and specifies an increased amount, which shall then constitute the total amount allotted by the Government to the CLIN.

(k) No notice, communication, or representation in any form, including, among other things, change orders, equitable adjustments, or unilateral or bilateral contract modifications, other than that specified in this clause, or from any person other than the Contracting Officer, shall affect the amount allotted by the Government to this contract for a CLIN, which will remain at all times the Government's maximum liability for a CLIN. In the absence of the specified notice, the Government is not obligated to reimburse the Contractor for any amounts payable earned for a CLIN in excess of the total amount allotted by the Government to this contract for a CLIN, whether earned during the course of the contract or as a result of termination.

(l) Change orders, equitable adjustments, unilateral or bilateral contract modifications, or similar actions shall not be considered increases in the Government's maximum liability or authorizations to the Contractor to exceed the amount allotted by the Government for a CLIN unless they contain a statement increasing the amount allotted.

(m) Nothing in this clause shall affect the right of the Government to terminate this contract for convenience or default.

(n) Planned Funding Schedule

CLIN 00014

Date	Funds To Be Allotted	Work To Be Accomplished	Cumulative Funds To Be Allotted	Cumulative Work To Be Accomplished
		Routine Analytical Services		Routine Analytical Services
		Routine Analytical Services		Routine Analytical Services

		Routine Analytical Services		Routine Analytical Services
		Routine Analytical Services		Routine Analytical Services

(o) Actual Funding Schedule

	Column Labels									
	Base Period			Base Period Total	Option			Option Total		Grand Total
Row Labels	2015	2016	2017		2018	2019	2020		Contract Extension Period 2021	
1 Transition										
Sum of Contract Value	$334,187.94			$334,187.94						$334,187.94
Sum of Funding Obligation	$334,187.94			$334,187.94						$334,187.94
2 Routine Services										
Sum of Contract Value		$5,710,838.06	$7,591,284.76	$13,302,122.82	$8,961,983.84	$9,344,766.04	$9,617,015.71	$27,923,765.59	$11,855,422.68	$41,225,888.41
Sum of Funding Obligation		$6,466,624.24	$6,835,498.58	$13,302,122.82	$8,961,983.84	$9,344,766.04	$9,617,015.71	$27,923,765.59	$3,161,446.05	$41,225,888.41
3 Award Fee										
Sum of Contract Value		$145,632.95	$189,782.63	$335,415.58	$211,845.83	$237,194.74	$250,230.48	$699,271.05	$296,385.57	$1,034,686.63
Sum of Funding Obligation			$310,948.20	$310,948.20	$211,845.83	$223,575.37	$250,230.48	$685,651.68	$79,036.16	$996,599.88
4 Surges										
Sum of Contract Value		$120,330.24	$144,396.29	$264,726.53	$158,152.99	$139,815.30	$143,340.51	$441,308.80	$36,558.90	$706,035.33
Sum of Funding Obligation		$187,000.00	$36,500.00	$223,500.00	$158,152.99	$90,000.00	$143,340.51	$391,493.50	$36,558.90	$614,993.50
5 Pensions										
Sum of Contract Value		$1,578,863.64	$1,894,636.36	$3,473,500.00	$1,731,500.00	$1,620,100.00	$1,655,400.00	$5,007,000.00	$1,688,508.00	$8,480,500.00
Sum of Funding Obligation		$1,424,650.76	$1,617,393.43	$3,042,044.19	$1,324,170.96	$1,600,000.00	$1,655,400.00	$4,579,570.96	$451,268.80	$7,621,615.15
7 Subpoena										
Sum of Contract Value		$60,000.00	$17,778.67	$77,778.67						$77,778.67
Sum of Funding Obligation		$60,000.00	$17,778.67	$77,778.67						$77,778.67
8 Test Bed/LIMS										
Sum of Contract Value		$142,873.00		$142,873.00		$143,014.64		$143,014.64		$285,887.64
Sum of Funding Obligation		$142,873.00		$142,873.00		$143,014.64		$143,014.64		$285,887.64
9 Maintenance										
Sum of Contract Value						$80,301.58	$80,301.57	$160,603.15		$160,603.15
Sum of Funding Obligation						$80,301.58	$80,301.57	$160,603.15		$160,603.15
10 Routine Services - Second Shift										
Sum of Contract Value							$392,229.00	$392,229.00		$392,229.00
Sum of Funding Obligation							$392,229.00	$392,229.00		$392,229.00
11 Other Hanford Contractors J-3										
Sum of Contract Value									$442,824.04	
Sum of Funding Obligation									$118,086.40	
Total Sum of Contract Value	**$334,187.94**	**$7,758,537.89**	**$9,837,878.71**	**$17,930,604.54**	**$11,063,482.66**	**$11,565,192.30**	**$12,138,517.27**	**$34,767,192.23**	**$14,319,699.19**	**$67,017,495.96**
Total Sum of Funding Obligation	**$334,187.94**	**$8,281,148.00**	**$8,818,118.88**	**$17,433,454.82**	**$10,656,153.62**	**$11,481,657.63**	**$12,138,517.27**	**$34,276,328.52**	**$3,846,396.31**	**$55,556,179.65**

PART III - LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

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J.6	HANFORD 222-S LABORATORY DOCUMENTED SAFETY ANALYSIS	J-132
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ATTACHMENT J.1 LIST OF APPLICABLE DOE DIRECTIVES

The Contractor shall comply with the requirements of the DOE Directives identified below. DOE directives may be found at http://www.directives.doe.gov/.

Order Number/Changes	Title
DOE O 130.1 CRD	Budget Formulation
DOE M 140.1-1B, CRD	Interface with the Defense Nuclear Facilities Safety Board
DOE O 142.1, CRD	Classified Visits Involving Foreign Nationals
DOE O 142.2A, Change 1, CRD	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
DOE M 142.2-1, Change 1, CRD	Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol
DOE O 142.3 A, CRD	Unclassified Foreign Visits and Assignments Program
DOE O 150.1A, CRD	Continuity Programs
DOE O 151.1C, CRD	Comprehensive Emergency Management System
DOE O 200.1A CRD	Information Technology Management
DOE O 205.1B, Change 2, CRD (Supp. Rev. 1)	Department of Energy Cyber Security Management
DOE O 206.1, CRD	Department of Energy Privacy Program
DOE O 206.2.2 Rev 1, CRD	Identity, Credential, and Access Management (ICAM)
DOE O 210.2A ,CRD	DOE Corporate Operating Experience Program
DOE O 221.1A, CRD	Reporting Fraud, Waste, and Abuse to the Office of Inspector General
DOE O 221.2A, CRD	Cooperation with the Office of Inspector General
DOE O 225.1B, CRD	Accident Investigations
DOE O 226.1B, CRD	Implementation of DOE Oversight Policy
DOE O 231.1B, Change 1, CRD	Environment, Safety, and Health Reporting Attachment 1, Step 2a
DOE O 232.2A, CRD	Occurrence Reporting and Processing of Operations Information

DOE O 241.1B, CRD	Scientific and Technical Information Management
DOE O 243.1B, Change 1, CRD	Records Management Program
DOE O 413.1B CRD	Internal Control Program
DOE O 414.1D, CRD	Quality Assurance
DOE O 422.1, CRD	Conduct of Operations
DOE O 426.2, Change 1, CRD	Personnel Selection, Training, Qualification and Certification Requirements for DOE Nuclear Facilities
DOE O 435.1, Change 1, CRD	Radioactive Waste Management
DOE O 436.1 CRD	Departmental Sustainability
DOE M 441.1-1	Nuclear Material Packaging Manual
DOE O ~~442.1A~~ 442.1B, CRD ~~Supplemented Revision 3~~	Department of Energy Employee Concerns Program
DOE O 442.2, CRD	Differing Professional Opinions for Technical Issues Involving Environmental, Safety, and Health Technical Concerns
DOE O 458.1, CRD	Radiation Protection of the Public and the Environment
DOE O 460.1B CRD	Packaging and Transportation Safety
DOE O 470.4B, Change 1, CRD	Safeguards and Security Program
DOE O 471.3, Change 1, CRD	Identifying and Protecting Official Use Only Information
DOE M 471.3-1, Change 1, CRD	Manual for Identifying and Protecting Official Use Only Information
DOE O 471.6, CRD	Information Security
DOE O 473.3, CRD	Protection Program Operations
DOE O 474.2, Rev 3	Nuclear Material Control and Accountability
DOE O 475.1 CRD	Counterintelligence Program
DOE O 551.1D, CRD	Official Foreign Travel
RRD-006, Rev.0	Contractor Support to RL Implementation of DOE Order 470.3A, Design Basis Threat Policy
DOE-0223	RL- Emergency Implementing Procedures
DOE/RL-94-02, Rev 5	Hanford Emergency Management Plan - Section 11.1 - Section 11.1.3 - Section 12.0
DOE/RL 96-68	HASQARD, Revision 3

DOE/RL-2001-36	Revision 1-E to the Hanford Site-wide Transportation Safety Document
MGT-PM-IP-08, Attachment 9.2, R3, CRD	Facility Representative Program

ATTACHMENT J.2 - LIST OF DELIVERABLES

All deliverables shall be provided to the DOE Contracting Officer in an editable electronic format (i.e., rather than PDF) in addition to hardcopy. Omission of any deliverable from the List of Deliverables does not affect the obligation of the Contractor to comply with such requirement.

Deliverable Number	Deliverable	Reference	Frequency
C-01	Transition Plan	C.2.1.9	T,W
C-02	Transition Status Report	C.2.1.9	T
C-03	Performance Status Report	C.1.2.1	M
C-04	Property Management Plan	C.2.1.9	T, W, A
C-05	Property Acquisition and Dispositions – if applicable	C.2.1.6 and Interface Matrix #51	A
C-06	Physical Inventory Report	C.2.1.9	T, W, A
C-07	Integrated Safety Management System Description	C.2.1.3	W, A
C-08	Worker Safety and Health Plan	C.2.1.3 and H.19	T,W, A
C-09	Employee Concerns Plan	C.2.1.10.5 and H.20	A
C-10	Communications Plan	C.2.1.9	T, W, A
C-11	Records Management Plan	C.2.1.7	T, W, A
C-12	Quality Assurance Program Plan	C.2.1.4 and C.2.1.9	W, A
C-13	Service Level Agreements	C.1.2.5	A
C-14	Contractor Notice to Assume Full Responsibility	C.2.1.9	T
C-15	Contractor Assurance System Description	C.2.1.9	T
C-16	Environmental Management System Description	C.2.1.2	A,W
F-01	Corrective Action Plan	F.05	A
H-01	Pension Management Plan	H.02	A, Y
H-02	Benefit Value Study	H.02	A
H-03	Employee Benefits Cost Study	H.02	Y
H-04	Itemization of Costs for Plan Administration	H.02	Y
H-05	Investment Policy Statement	H.02	Y
H-06	Investment Performance Self-Assessment	H.02	Y
H-07	Actuarial Valuation Reports	H.02	Y
H-08	Copy of IRS Form 5500	H.02	Y
H-09	Copy of IRS Form 5300	H.02	Y
H-10	Changes to Pension Plan	H.02	A
H-11	Incumbent Employee Benefit Plans	H.04	A, T

H-12	Report of Settlement	H.06	A
H-13	Workforce Restructuring	H.08	A
H-14	Submission of Payroll Records	H.09	A
H-15	Accident Reports	H.09	A
H-66	Evaluation and Analysis of Workers Compensation Costs	H.09	A
H-17	Notification of Foreign National Participation in Performance of Work	H.13	A
H-18	Job Related Injuries or Illnesses Occurring at DOE Facility	H.19	A
H-19	Notification of Change in Key Personnel Team	H.24	A
H-20	Phase-Out and Phase-In Operations Plan	H.28	T, W, A
H-21	Notice of Violations, Fines, Penalties	H.33	A
H-22	Security Incidents Involving PII	H.37	A
H-23	DOE Directive Implementation Schedule and Notification to CO	H.40	A
H-24	Notification of Corporate Board of Director Changes	H.42	A
H-25	Year End Self-Assessment Report	H.43	Y
H-26	EEOICPA Claims	H.44	A
I-01	OMB Standard Form LLL, Disclosure of Lobbying Activities	I.8, FAR 52.203-12 Limitation on Payments to Influence Certain Federal Transactions (OCT 2010)	A
I-02	Business Ethics Awareness and Compliance Program	I.9 FAR 52.203-13 Contractor Code of Business Ethics and Conduct (APR 2010)	W, A
I-03	Code of Business Ethics and Conduct	I.9 FAR 52.203-13 Contractor Code of Business Ethics and Conduct (APR 2010)	T

I-04	System for Award Management Updates	I.12 FAR 52.204-7 System for Award Management (Jul 2013)	A
I-05	Reporting Executive Compensation and First Tier Subcontract Awards	I.14, FAR 52.204-10 Reporting Executive Compensation and First-Tier Subcontract Awards (JUL 2013)	T, Y
I-06	Update of Publicly Available Information Regarding Responsibility Matters	I.17 FAR 52.209-9 Updates of Information Regarding Responsibility Matters (AUG 2013)	S
I-07	Affirmative Action Plan for Females & Minorities	I.38 FAR 52.222-26 Equal Opportunity (MAR 2007)	T,Y
I-08	Equal Employment Report (EEO-1)	I.38 FAR 52.222-26 Equal Opportunity (MAR 2007)	Y
I-09	Affirmative Action Plan for Veterans & Individuals with Disabilities	I.39 FAR 52.222-35 Equal Opportunity for Veterans (SEP 2010) FAR 52.222-36 Affirmative Action for Workers with Disabilities (OCT 2010)	T,Y
I-10	Employment Reports for Special Disabled Veterans and Veterans of Vietnam Era (Federal	I.41 FAR 52.222-37 Equal Opportunity for	Y

	Contractor Veterans Employment Report VETS-100)	Veterans (SEP 2010)	
I-11	Material Safety Data Sheet	I.49 FAR 52.223-3 Hazardous Material Identification and Material Safety Data (JAN 1997)	A
I-12	Annual Biobased Purchases Report	I.48 FAR 52.223-2 Affirmative Procurement of Biobased Products Under Service and Construction Contracts (JUL 2012)	Y
I-13	Contractor Electronic Funds Transfer Information Contained in SAM Database	I.76 FAR 52.232-33 Payment By Electronic Funds Transfer-System For Award Management (JUL 2013)	A
I-14	Bankruptcy Notification	I.83 FAR 52.242-13 Bankruptcy (JUL 1995)	A
I-15	Consent to Subcontract	I.86 FAR 52.244-2 Subcontracts (OCT 2010)	A
I-16	Property Management Plans, Systems and Procedures	I.89 FAR 52.245-1 Government Property (APR 2012) ALT I (APR 2012)	A

I-17	Report of Physical Inventory Results	I.89 FAR 52.245-1 Government Property (APR 2012)	Y
I-18	Reports of loss, damage, destroyed or stolen property	I.89 FAR 52.245-1 Government Property (APR 2012) ALT I. (APR 2012)	A
I-19	Final physical completion or termination inventory	I.89 FAR 52.245-1 Government Property (APR 2012) ALT I. (APR 2012)	A
I-20	Release of Information	I.102 DEAR 952.204-75	A
I-21	Cyber Security Program Plan	I.103 DEAR 952.204-77 Computer Security (AUG 2006) ;	T,Y
I-22	Management and Program Implementation Plan	I.106 DEAR 952.223-72 (APR 1984)	A
I-22	Workplace Substance Abuse Program	I.116 DEAR 970.5223-4, Workplace Substance Abuse Programs at DOE Sites (DEC 2010);	T
I-23	Computer Security Incident Reports	DOE O 205.1B	A

Frequency Code	Description
A	As Required
T	During Contract Transition
C	Change to Contractual Agreement
M	Monthly

Q	Quarterly
S	Semi Annually
Y	Yearly or Upon Renewal of Contract
W	Within a Specified Period Following Notice to Proceed

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.

Note: The terms ASTC and LAT&S refer to the Laboratory Analysis and Testing Services contractor.

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

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

Types of Interfaces –

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

MSC SERVICES AND INTERFACE ACTIVITIES

MSC General Requirements

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
1	**Infrastructure and Services Alignment Plan (ISAP), and the Annual Forecast of Services and Infrastructure** (including the *Hanford Site Services and Interface Requirements Matrix)*	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

ISAP is the strategic plan for right-sizing the infrastructure to support the future Hanford Site mission and the *Annual Forecast of Services and Infrastructure* is a projection of needed utilities, services, and infrastructure from other Hanford Site contractors.

- MSC shall develop, maintain and update an ISAP and the *Annual Forecast of Services and Infrastructure,* which includes the costs for services. Proposed changes in service providers shall include a justification, and a plan forward.
- MSC shall solicit input from Hanford Site contractors/users for the ISAP and the *Annual Forecast of Services and Infrastructure*, including projection of need for services and proposed performance metrics/controlling agreements for the service provider.
- DOE will evaluate contractor/user input prior to approval. The plan will be approved by DOE.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
2	**Hanford Site Interface Management Plan**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

Hanford Site Interface Management Plan is the controlling agreements that ensure effective control of technical, administrative, and regulatory interfaces.

- MSC shall develop and maintain the *Hanford Site Interface Management Plan.*
- MSC shall collaborate with the Hanford Site contractors/users on the *Hanford Site Interface Management Plan*.
- PRC, TOC, and MSC shall sign the *Hanford Site Interface Management Plan*.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Safety, Security and Environment										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
3	**Protective Forces**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

Funded through MSC; provided at no cost to Hanford Site contractors. Hanford Site contractors shall provide facility, operational, and system configuration changes that may affect Protective Force operations.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
4	**Physical Security (PSS) Systems (Nuclear Material, Special Nuclear Material, and Classified Matter)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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 *Asset Protection Agreements*, and requesting locksmith services.

Usage-Based Services

N/A

Direct-Funded Services

Funded through the 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.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
5	**Physical Security Systems (Government Property)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Physical security under this activity is for Government property other than nuclear material, special nuclear material, and classified. Physical Security such as fences, locks, etc. through *Asset Protection Agreements*.

- MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of *Asset Protection Agreements*.
- Hanford Site contractors shall support the MSC in the development of or update of facility *Asset Protection Agreements* and implement those agreements.
- MSC shall provide Technical and Engineering Security services as required for the design and/or turnover of new facilities.

Usage-Based Services

N/A

Direct-Funded Services

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.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
6	**Information Security - (Operations Security (OPSEC)**	Information / Service	Direct-Funded	Mandatory	**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)

Scope/Cost Allocation

Service Description

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.

- MSC shall implement a Hanford Site-wide program; assure conformity of implementation with OPSEC standards and requirements; conduct assessment(s) of all Hanford Site facilities having Category I special nuclear material (SNM) (or credible roll-up to Category I SNM); conduct reviews of all Hanford Site facilities that have the potential to process or store classified or sensitive information; and conduct the *Annual Site OPSEC Threat Assessment* and prepare the annual *OPSEC Plan*.
- Hanford Site contractors shall implement their internal OPSEC responsibilities, participate and support Hanford Site-wide OPSEC Working and Awareness groups; provide support to the MSC OPSEC assessments; and support the *Annual Site OPSEC Threat Assessment* and preparation of the annual *OPSEC Plan*.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
7	**Information Security - Classified Matter Protection and Control (CMPC); Classification, Declassification and UCNI Program**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the burden of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
8	**Information Security - Official Use Only (OUO)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

The OUO Program establishes controls to protect sensitive unclassified information as OUO.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost of Program administration; Hanford Site contractors /users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
9	**Personnel Security – Badging**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

Funded through MSC; provided at no cost to Hanford Site contractors. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
10	**Personnel Security – Access Authorization (Security Clearance) Processing Program**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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).

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
11	**Personnel Security – Human Reliability Program (HRP)**	Information / Service	Direct-Funded	Mandatory	**Provide service** to site contractors	Receive service from and provide input to MSC	N/A	N/A	N/A	N/A

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
12	**Personnel Security – Workplace Substance Abuse Programs (WSAP)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
13	**Personnel Security – Foreign National Visits and Assignments (FNVA)**	Information / Service	Direct-Funded	Mandatory	**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)

Scope/Cost Allocation

Service Description

FNVA pertains to unclassified (and potentially classified) foreign national access to the DOE Hanford Site for information and technologies.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of Program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
14	**Cyber Security – (Classified and Unclassified Cyber Security)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Classified/Unclassified Cyber Security Program identifies and protects classified, unclassified and sensitive information generated, processed and stored for the Hanford Site.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
15	**Nuclear Material Controls and Accountability (MC&A)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

The MC&A Program provides control and accountability of nuclear materials within DOE.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the burden of Program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
16	**SAS Program Management – Safeguards and Security (SAS) Awareness**	Information / Service	Direct-Funded	Mandatory	**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.

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost of Program administration; Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
17	**SAS Program Management**	Information / Service	Direct-Funded	Mandatory	**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.

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost of Program administration Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
18	**Site Training Services and HAMMER**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory for standardized training All other services under this activity are Optional	**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)

Scope/Cost Allocation

Service Description

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.

- MSC shall provide Hanford Site workers (and PNNL, as requested) mandatory standardized training as listed below and optional training as requested to support maintaining a qualified workforce, develop the Annual Training Needs Forecast and Plan, 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.

Mandatory Standardized Training

1. Hazardous Waste Operations and Emergency Response (HAZWOPER) Training
2. Lockout/tagout of hazardous energy
3. Permit required confined space entry
4. Chronic Beryllium Disease Prevention Program (CBDPP.
5. Respiratory protection program
6. Hoisting and rigging
7. Fall protection
8. Electrical safety
9. Radiation Safety (e.g., Radiological Worker I and II and Radiological Control Technician training).
10. Criticality Safety
11. Hanford General Employee Training

Usage-Based Services

Site training services, including maintenance of employee training records for training provided by MSC and mask-fit services are usage-based services reimbursed by the user.

Direct-Funded Services

HAMMER base operations for the facility are at no cost to Hanford Site contractors for DOE-EM funded Work Scope.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
19	**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)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

- Funded through the MSC; provided at no cost to Hanford Site Contractors.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other ~~Site Users~~ Contracts
20	**Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance)**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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.

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Hanford Site contractors are required to provide their own hardware projects.

Direct-Funded Services

MSC is direct-funded to maintain fire alarm systems for each Hanford Site contractor.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
21	**Emergency Operations (Centralized Hanford Site Emergency Preparedness Program)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.
MSC shall:

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs. 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.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
22	**Emergency Operations (Event Reporting; and Emergency Operations Center Shift Center)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall operate the Hanford Site-wide Emergency Operations Center (EOC) Shift Office.
- Hanford Site contractors shall report their environmental, safety, and health events and related information directly to DOE and to the EOC Shift Office.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
23	**Site Safety Standards (Common Safety Processes)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Site Safety Standards are to be used by Hanford Site contractors to ensure common processes for worker safety.

- MSC shall obtain affected Hanford Site contractor approval and establish common safety processes on the Hanford Site as listed below.
- 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.
    1. **Common Safety Processes.**Lockout/tagout of hazardous energy
    2. Permit required confined space entry.
    3. Chronic Beryllium Disease Prevention Program (CBDPP).
    4. Respiratory protection program.
    5. Hoisting and rigging
    6. Fall protection.
    7. Electrical safety.
    8. Industrial hygiene exposure records including the generation, common database, and storage.
    9. Employee job task analysis (EJTA) as being implemented on the Hanford site at the present time.
    10. Excavation permits with emphasis on the existing Hanford site system for obtaining excavation permits.
    11. Hazardous Chemical Reporting: Community Right-to-Know with the MSC responsible for obtaining data from other Hanford site contractors, compiling and submitting the required data.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
24	**Radiological Assistance (RAP)**	Information / Service	Direct-Funded	Mandatory	**Provide service**	Provide staff to MSC	Provide staff to MSC	N/A	N/A	N/A

Scope/Cost Allocation

Service Description

RAP provides first-responder radiological response capabilities 24/7 for the Hanford Site and Region 8 (states of Alaska, Oregon, and Washington).

- 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.

Usage-Based Services

N/A

Direct-Funded Services

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.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
25	**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)**	Information / Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Environmental Regulatory Management ensures a Site-wide environmental program which is compliant with applicable laws, regulations, DOE directives and the Section H Clause entitled, *Environmental Responsibility*.
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.
Hanford Site contractors shall:

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
26	**Seismic Monitoring Services**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Service

- Service scope as defined above.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
27	**Hanford Environmental Oversight (HEO)**	Information	Direct-Funded	Interface	**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

Scope/Cost Allocation

Service Description

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.

- 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.*

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
28	**Meteorological and Climatological Services**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Special-use information requested by Site contractors

Direct-Funded Services

MSC bears the cost burden of program administration, Hanford Site contractors shall request and provide requirements for service.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
29	**Environmental Surveillance**	Information / Service	Combination of Usage-Based and Direct-Funded	Interface	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 as applicable

Scope/Cost Allocation

Service Description

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.

- MSC shall assess impacts and risks of contaminants on human health in order to prepare the annual *Hanford Site Environmental Report* and the *Hanford Site Environmental Surveillance Master Sampling Schedule*; and align the surface environmental surveillance with the needs of the environmental clean-up, restoration, and assessment activities at the Hanford Site.
- 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 Hanford Site Environmental Report and Hanford Site Environmental Surveillance Master Sampling Schedule.

Usage-Based Services

Hanford Site contractors bear request for services costs.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors /users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
30	**Ecological Monitoring and Compliance – Site Wide**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

MSC shall:

- 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.

Hanford Site contractors shall:

- 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.

Usage-Based Services

Ecological reviews are a usage-based service.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/ users bear internal implementation costs
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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
31	**Cultural and Historic Resource Program**	Information / Service	Combination of Direct-Funded and Usage-Based	Service - Mandatory	**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	Provide input to MSC	Receive service from and provide input to MSC as applicable

Scope/Cost Allocation

Service Description

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.

- 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 *Comprehensive Land Use Plan's* (CLUP) *Cultural & Historic Resource Program Plan*. In particular, mission contractors (who meet 36 CFR 61 standards and guidelines) shall utilize the MSC project records and files for background research.

Usage-Based Services

Cultural reviews are a usage-based service. Hanford Site contractors bear request for services costs.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
32	**Radiological Site Services (RSS)**	Information / Service	Usage-Based	Mandatory	**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

Scope/Cost Allocation

Service Description

Radiological Site Services (RSS) is a documented set of comprehensive and integrated 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 (HEDP), the Hanford Internal Dosimetry Program (HIDP), the Hanford Radiological Instrumentation Program (HRIP), and the Hanford Radiological Records Program (HRRP).

MSC shall provide:

- DOELAP accredited external dosimetry services, including technical support, documentation, and dosimeter preparation and processing, based on the types and quantities of external dosimetry required by all key customers.
- DOELAP 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 as defined in ANSI 323-1978 for a broad range of portable and semi-portable radiological instrumentation, including technical support and documentation, based on the types and quantities of portable and semi-portable radiological instrumentation calibration, maintenance, and repair services required by all key customers.
- Services to maintain, manage, and procure parts or replacements for the existing Hanford Site pool of radiological instruments, including developing processes for necessary replacement, as required by all key customers.
- Performance testing as defined in ANSI 323A-1997, or other standards as requested, to verify instruments continue to meet operational requirements.
- 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.

On an as-requested basis, MSC will provide dosimetry and bio-assay scheduling, dosimeter distribution, and other services commonly associated with "Dosimetry Operations." These services will be fully defined in the SOW and agreed upon by the requesting party and MSC.

Hanford Site contractors shall request, and provide requirements for, service.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Site Infrastructure and Utilities										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
33	**Analytical Services (Chemical and Low-Level Radiological Analysis)**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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).

- MSC shall operate the WSCF.
- Hanford Site contractors shall request analytical services as needed

Usage-Based Services

- Sample analysis is a usage-based service reimbursed by the user

Direct-Funded Services

- WSCF Laboratory fixed costs for maintaining the facility in a ready-to-serve capacity are at no cost to Hanford Site contractors.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
34	**Biological Controls**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall provide a Hanford Site-wide biological control program.
- Hanford Site contractors shall request support as needed.

Usage-Based Services

Hanford Site contractors may request additional services beyond direct funded basic service as a usage-based service

Direct-Funded Services

Basic service funded through MSC; provided at no cost to Hanford Site contractors.
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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
35	**Crane and Rigging**	Service	Usage-Based	Mandatory	**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)

Scope/Cost Allocation

Service Description

The Crane and Rigging is a centralized pool of equipment and manpower for the Hanford Site. The 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; assemble, erect, and dissemble scaffolding and supervises crane crews.
- Manage, and schedule operations involving movable cranes and Crane and Rigging services.
- Maintain and operate cranes, rigging equipment and cable fabrication equipment.
- Chair the Site Hoisting and Rigging Committee.
- Maintain the Hanford Site Hoisting and Rigging Manual (HSHRM) and Hanford Site Hoisting and Rigging intranet web site
- Hanford Site contractors shall request and provide requirements for service.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
36	**Facility Services**	Service	Usage-Based	Mandatory	**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)

Scope/Cost Allocation

Service Description

Facility Services is a central maintenance function for non-radiological facilities.

- 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.

Usage-Based Services
Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
37	**Motor Carrier Services**	Service	Usage-Based	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall:
  - Manage, schedule, and conduct motor carrier services.
  - 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.
  - Act as the Hanford Site motor carrier similar to a commercial motor carrier.
  - Provide compressed gas shipments.
  - Pick up at local vendors as directed by their customers.
  - The Hanford Site contractor will prepare freight for shipment (packaging the freight) and provided associated documentation or direct a pick up of freight from a particular Site contractor or vendor.
  - The preferred method for shipment of freight to other DOE site or to commercial vendor(s) is using a commercial motor carrier.
  - Upon mutual agreement, the Contractor may provide a limited number of specialized vehicles to Other Hanford Site Contractors to support the efficient management of resources. Any vehicles provided by the MSC will remain in the MSC Fleet Maintenance Programs.

- 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.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
38	**Fleet Services**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Fleet Services administers and manages a fleet of motorized vehicles and equipment including, but not limited to sedans, pickups, vans, busses, ambulances, tractors, flatbeds, dump trucks, tool vans, utility maintenance vans, cab and chassis, trailers, forklifts, cranes, generators, compressors, excavators, frontend loaders, dozers, wreckers, and fuel tankers.

- 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 *Transportation Management Scorecard*.

Usage-Based Services

Fleet facilities maintenance, operations support, consumables, fuel delivery, maintenance, parts, and labor for the DOE fleet.

- Vehicle maintenance services, including inventory of or access to parts normally used for routine maintenance.
- Routine preventive maintenance and inspections in accordance with manufacturer specifications, GSA schedules, and OSHA safety regulations
- Vehicle and equipment corrective maintenance, as required to maintain performance and air quality standards.
- Performance of GSA non-reimbursable services, such as in-the-field service calls (including towing).
- Major component repair and reconstruction of failed major operating and drive train components.
- Auto body, glass and upholstery repair services.
- Performance of customer-specified non-maintenance mechanical support, vehicle and equipment modifications, auxiliary equipment installation and transfer, accident damage repair, and special fabrication services.
- Purchase and distribution of bulk fuel to heavy equipment located in the field.

Direct-Funded Services

- Management of the process for the acquisition, control, assignment, and disposal of DOE fleet equipment and GSA vehicles and associated property, which includes general and special purpose equipment.
- Administration of the GSA lease.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
39	**Railroad Services**	Physical / Service	Usage-Based	Optional	**Coordinate service**	Request service from MSC	Request service from MSC	Request service from MSC	Request service from MSC	Request service from MSC

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Service scope as defined above

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
40	**Roads & Grounds**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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)

Scope/Cost Allocation

Service Description

Roads and Grounds consist of road maintenance, 24/7 snow removal, traffic management, and common grounds maintenance service for the Hanford Site.

Usage-Based Services

- Hanford Site contractors may request additional services for facility specific services, such as, snow removal on sidewalks.

Direct-Funded Services

- 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 (per the Hanford Snow Removal Plan).
- Maintain the common grounds to ensure public/worker safety and environmental integrity within the 200, 300, and 600 Areas. Activities in this area include perimeter fence/sign maintenance at the Site boundaries; lawn and landscape care; annual inspection and maintenance of gravel pits; general area cleanup; sweeping sidewalks; washing buildings; sweeping general purpose facility parking lots and repairing bumper blocks.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
41	**Electrical Transmission, Distribution, & Energy Management**	Physical / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**Provide service**	Receive service from and provide input to MSC	Receive service from and provide input to MSC	Receive service from and provide input to MSC per ICD 11 - Electricity	Receive service from and provide input to MSC	Receive service from and provide input to MSC

Scope/Cost Allocation

Service Description

Electrical Transmission, Distribution, & Energy Management is the management function of the high voltage electrical utility consisting of a system for providing power to the facilities at the Hanford Site.

- MSC externally supplies electrical power to Hanford Site contractors.
- MSC shall coordinate with other Hanford Site contractors to obtain the following:
  - Energy cost and consumption data for the *Annual Energy Conservation Performance Report*.
  - Energy cost and consumption data for the quarterly Hanford Site energy cost and consumption date entry to EMS4 database.
  - Facility shut down constraints and impacts due to fuel reductions for the *Emergency Conservation Plan.*
  - Facility electrical load information for the annual electrical load forecast.
  - Other facility electrical or energy information, as needed.
- Hanford Site contractors shall provide input for EMS4 database, annual Energy Conservation Performance Report, Emergency Conservation Plan, and annual electrical load forecast.
- Hanford Site contractors may enter into a service-provider relationship with the MSC and/or other utility providers for the operation, maintenance, and/or closure of all or part of their internal utility systems.
- Hanford Site contractors shall protect Hanford Site systems against disruption and damage during performance of work and support Hanford Site utility operations, maintenance, and closure of a service where appropriate.

Notes:

- The interface point between the MSC electrical distribution system and the Hanford Site contractors' facilities electrical system is routinely the connection at the secondary side of the building service transformer (MSC also owns the electrical meters). However, there may be some facilities where the systems interface is located at a different connection point. The interface points are identified on the electrical utility switching system diagram drawings.
- The 300 Area electrical substation and electrical distribution system will be owned by the RCCC. The RCCC may request MSC to operate and maintain the 300 Area substation and distribution system on a work order basis. Upon completion of the RCCC, or as directed by DOE, the substation/distribution system may be reassigned to the MSC.

Usage-Based Services

Direct, mission-related upgrade projects are sub-contracted by MSC and paid by the requesting Hanford Site contractor.

Direct-Funded Services

Basic service funded through MSC; provided at no cost to Hanford Site contractors

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
42	**Water System**	Physical / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall manage the water system in accordance with agreements negotiated with the Hanford Site contractor being served and in accordance with guidance documents cited in state regulations for water systems; and maintain the existing *Water System Master Plan*. The Plan shall document a strategy for managing repairs, life extensions, replacements, and deactivations for facilities and equipment for the water systems within the scope of this contract over a ten year planning horizon.
- 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 *Water System Master Plan* 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.

Note: The 100K Area and 400 Area Water Systems will be operated and maintained by the PRC.

Usage-Based Services

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.

Direct-Funded Services

Hanford Site-wide water upgrades and Basic Service are funded through MSC; provided at no cost to site contractors.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
43	**Sewer Systems**	Physical Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

- 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. 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 *Sewer System Master Plan*. The Plan shall document a strategy for managing repairs, life extensions, replacements, and deactivations for facilities and equipment for the sewer systems within the scope of this contract over a ten year planning horizon and shall be updated every two (2) years.
- Hanford Site contractors shall provide input to the *Sewer System Master Plan*.
- Legacy facilities that are returned to service will be treated as a base, unless special circumstances require facility upgrades.

Notes:
- 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. 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.

Usage-Based Services

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.

Direct-Funded Services

Hanford Site-wide sewer upgrades and basic service are funded through MSC; provided at no cost to Hanford Site contractors.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
44	**Sanitary Waste Management and Disposal**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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)

Scope/Cost Allocation

Service Description

Sanitary Waste Management and Disposal function consists of waste collected from on-site dumpsters and transport to off-site landfills for disposal. MSC shall pick-up, inspect, and dispose of non-radioactive, non-hazardous dry waste.

- Hanford Site contractors shall request and provide requirements for service.

Usage-Based Services

Delivery and disposal of sanitary waste for roll off boxes is a usage-based service reimbursed by the user.

Direct-Funded Services

- Management and oversight of Hanford sanitary, inert, and demolition waste landfills that are currently in operation or closed.
- Delivery of and disposal of sanitary waste for dumpsters is provided at no cost to Hanford Site contractors

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Site Business Management										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
45	**Land-Use Planning and Management**	Information / Service	Combination of Usage-Based and Direct-Funded	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

Scope/Cost Allocation

Service Description

Land-Use Planning and Management consists of land-use planning (for the Hanford Site, in general and specific parcels) and management (including day-to-day implementation of the *Comprehensive Land Use Plan [CLUP]*).

- 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.

Usage-Based Services

Excavation permits are provided as a usage-based service.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs. Return to top

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
46	**Long-term Stewardship**	Information/ Service	Direct-Funded	Interface	Provide service and 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

Scope/Cost Allocation

Service Description

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.

- 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 *Hanford Long-Term Stewardship Program Plan and Long-Term Surveillance and Maintenance Plans*.
- MSC shall coordinate with DOE-RL and Hanford Site contractors to compile the results of the annual Hanford Site-wide institutional controls assessment, and to conduct the Hanford Site-wide *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) 5-year reviews including comment response, interim documentation, and lessons learned.
- MSC shall execute LTS for those portions of the Site assigned to the MSC.
- Hanford Site contractors provide information for the *Hanford Long-Term Stewardship Program Plan,* Long-Term Stewardship Surveillance and Maintenance Plans, *Annual NEPA Mitigation Action Plan Accomplishments*, *IC Plan,* CERCLA 5-year reviews, *Site Transition Plans,* and annual site-wide institutional controls assessment.
- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Cost for sites transferred (post-remediated) to MSC are the responsibility of the MSC. Hanford Site contractors bear internal implementation costs. Transition costs are the responsibility of the respective Hanford Site contractor

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
47	**Facility Information Management System (FIMS)**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

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.

- 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 *Comprehensive Data/Site Management Strategy* for spatial data

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
48	**Hanford Site Structures List and Hanford Waste Site Assignment List**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

The *Hanford Site Structures List (List)* and *Hanford Site Assignment List* Is the integrated, central inventory of Hanford facilities, structures, and waste sites. DOE Hanford uses these lists for integrated planning of baselines, cost-estimating, reporting DOE Gold Chart metrics, establishing assignment of responsibility for each facility and waste site to site contractors, support to FIMS, HSTD (Hanford Site Technical Data Base), Caretaker, and WIDS. This activity provides for maintenance, configuration control, and upgrading of the Lists.

- MSC shall maintain the *Hanford Site Structures List* and *Hanford Waste Site Assignment List* serving as Administrator of the data, and is responsible for the platform for the data and Site-wide reporting.
- 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.

Hanford Site contractors deliver facilities, structures, and wastes site data and input to the *Hanford Site Structures List* and *Hanford Waste Site Assignment List*.
The Hanford Site contractors shall provide data and support to the MSC, for the Hanford Sites contractor's facilities, waste sites and activities, to support maintenance of the *Hanford Site Structures List* and *Hanford Waste Site Assignment List*, Hanford Site contractors supplying information/ data are responsible for data quality.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
49	**Condition Assessment Surveys (CAS)**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
50	**Geospatial Information Management**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall develop and implement a comprehensive *Hanford Geospatial Information Strategy and Implementation Plan (H-GIS)* to ensure that all spatial data, information and documentation required for accomplishing the Hanford Site missions are captured, managed, and preserved.
- 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 *Comprehensive Data/Site Management Strategy* for spatial data.

Usage-Based Services

Hanford Site contractors may request business-specific map services as a usage-based service.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
51	**Property Systems/-Acquisition & Materials Management**	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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)

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Hanford Site contractors bear costs associated with delivery of excess materials to the central recycling and turn-over of excess property for disposition.

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
52	**Hanford Site Pension Plan (HSPP)** **Hanford Site Savings Plan (HSSP)** **Hanford Employee Welfare Trust (HEWT)**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Contributions are allocated to the participating sponsors (Hanford Site contractors).

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
53	**External Affairs**	Information / Service	Direct-Funded	Interface	**Provide service** and receive support from Site contractors	Support MSC	Support MSC	Support MSC	Support MSC	Support MSC as applicable

Scope/Cost Allocation

Service Description

External Affairs includes assistance to DOE in its programs to communicate with outside entities for Hanford Site tours.

- 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 workscope.
- MSC shall support DOE's management of the Hanford web site.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
54	**External Reviews**	Information	Direct-Funded	Interface	Receive support from Site contractors	Support MSC	Support MSC	Support MSC	Support MSC	Support MSC as applicable

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
55	**Courier Services**	Service	Usage-Based	Optional	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
56	**Reproduction Services**	Service	Usage-Based	Service - Large Volume: Mandatory. Convenience Copiers: Optional	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Optional service (except DOE)

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
57	**Multi-media Services**	Service	Usage-Based	Optional Standards: Mandatory	**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

Scope/Cost Allocation

Service Description

Multi-media Services provides for the development, production, or acquisition of photos, videotapes, movies, audio productions, and other similar types of media.

- 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:
  - Comply with Hanford Site multi-media standards
  - Provide multi-media records to the MSC.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
58	**Mail Services**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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 organization:

- 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.

Usage-Based Services

N/A

Direct-Funded Services

Service as described above.
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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
59	**Site Forms Management**	Service	Direct-Funded	Optional	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	N/A	N/A	Receive service from MSC (only DOE)

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services
Service as described above.

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Information Resources / Content (Records) Management (IR/CM)										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
60	**Strategic Planning & Program Management**	Information	Direct-Funded	Mandatory	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Receive service from MSC, as applicable

Scope/Cost Allocation

Service Description

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.

- MSC shall develop a *Computing and Telecommunications Strategic Plan.*
- PRC and TOC shall provide input to the *Computing, Telecommunications, and Content (Records) Management Strategic Plan.*

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
61	**Telephone Services**	Service	Usage-Based	Mandatory	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Receive service from MSC, as applicable

Scope/Cost Allocation

Service Description

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.

- MSC shall provide and maintain telecommunications capability and capacity sufficient to meet the needs of the Hanford site, encompassing those systems required to maintain data transmissions, including local, state, national, and international subscribers; data and network circuits; off-premise stations; telephone service to offsite offices occupied by Hanford Site end-users; alerting systems; and other miscellaneous voice and data circuits.
- Hanford Site contractors shall request and provide requirements for service.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
62	**Pager Services**	Service	Usage-Based	Optional, except Emergency Response, which is Mandatory	**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

Scope/Cost Allocation

Service Description

Pager Services provides the electronic network and devices for Hanford Site paging.

- 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.

Usage-Based Services

Service as described above

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
63	**Radio Services for Crafts**	Service	Usage-Based	Optional	**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

Scope/Cost Allocation

Service Description

Radio Services for Crafts provides radio communication infrastructure and licensing.

- 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.
- Equipment (radios, antennas, etc.) costs are the responsibility of the Hanford Site contractor.

Usage-Based Services

Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
64	**Radio Services for Emergency Services**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Radio Services for Emergency Services provides radio communication infrastructure and licensing.

- 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:
  - Follow Hanford Site radio frequency policy and use the MSC for radio spectrum licensing; and
  - Request and provide requirements for service.

Usage-Based Services

Equipment (radios, antennas, etc.) costs are the responsibility of the Hanford Site contractor.

Direct-Funded Services

Service as described above.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
65	**Network Services**	Service	Usage-Based	Mandatory	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Optional, except DOE

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Service as described above

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
66	**Information Systems**	Service	Combination of Usage-Based and Direct-Funded	Mandatory	**Provide service** to site contractors	Receive service from MSC	Receive service from MSC	N/A	Optional	Optional except DOE

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Hanford Site contractors may request additional services as a usage-based service.

Direct-Funded Services

Service as described above.
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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
67	**Federal Records Inventory and Schedule Management**	Information / Service	Combination of Usage-Based and Direct-Funded	Site-wide System – Mandatory Inventory & Scheduling Service - Optional	**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

Scope/Cost Allocation

Service Description

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.

- MSC shall provide Hanford Site-wide RIDS database for Hanford Site Federal records.
- Other Hanford Site contractors shall provide RIDS database information.

Usage-Based Services

Optional service beyond the basic service described above

Direct-Funded Services

Service as described above

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
68	**Major Collection Management**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

Major Collection Management provides continued maintenance of significant collections of records. Examples of major collections include engineering drawings, photographs/negatives, videotapes, etc.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
69	**Long-Term Records Storage**	Service	Direct-Funded	Mandatory	**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

Scope/Cost Allocation

Service Description

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.).

- MSC shall provide program administration and 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.

Usage-Based Services

N/A

Direct-Funded Services

Service as described above.

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Portfolio Management										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
70	**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)**	Information	Direct-Funded	Interface	**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

Scope/Cost Allocation

Service Description

Hanford Portfolio Planning, Analysis & Performance Assessment consists of support to DOE-RL and DOE-ORP in maintaining the *Integrated Hanford Life-Cycle Clean-up Plan* that optimizes the mission life-cycle, enabling DOE to ensure cost and schedule efficiency while adequately anticipating and managing programmatic risk.

- 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 Integration Issues Management Plan, provide Hanford Portfolio Planning, develop and maintain an Integrated Hanford Life-Cycle Clean-up Plan, and shall evaluate project and program performance against the Integrated Hanford Life-cycle Baseline.
- Hanford Site contractors shall provide information to the MSC as necessary to complete the Hanford Portfolio Planning, Analysis & Performance Assessment activities.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
71	**Project Acquisition and Support**	Information	Direct-Funded	Interface	**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

Scope/Cost Allocation

Service Description

Project Acquisition and Support includes project initiation, design, construction, and/or procurement services to DOE and as an optional service to Hanford Site contractors.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
72	**Independent Assessment and Analysis**	Information	Direct-Funded	Interface	**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

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

N/A

Direct-Funded Services

MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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PRC SERVICES AND INTERFACE ACTIVITIES

Solid and Liquid Waste Stabilization and Disposition

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
73	**Waste forecast system - Solid Waste Information and Tracking System (SWITS) and Solid Waste Integrated Forecast Technical Database (SWIFT)**	Information	Direct-Funded	Interface	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

Scope/Cost Allocation

Service Description

Waste forecast system identifies future quantities of hazardous and radioactive waste generation for wastes managed by the contract.

- PRC shall operate and maintain SWITS and SWIFT, and make available to other Site contractors.
- Hanford Site contractors shall provide waste generation data.

Usage-Based Services

N/A

Direct-Funded Services

PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
74	**Low Level Waste (LLW) and Mixed Low Level Waste (MLLW) Treatment, Storage, and Disposal**	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	**Receive waste**	Package and deliver to PRC	Provide waste to TOC	Package and deliver to PRC	Package and deliver to PRC, except DOE

Scope/Cost Allocation

Service Description

This activity provides for LLW and MLLW Treatment, Storage, and Disposal.

- 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.

Usage-Based Services

- 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.

Direct-Funded Services

PRC provides ready-to-serve capability.

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WIPP CORE CHARACTERIZATION PROJECT SERVICES AND INTERFACE ACTIVITIES

Transuranic Waste Characterization and Certification

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	WIPP Core Characterization Project (CCP)	MSC	PRC	TOC	WTP	RCCC	Other Contracts
75	**Transuranic (TRU) and Transuranic Mixed Waste (TRUM) Packaging, Characterization, Certification, and Transportation**	Information / Physical / Service	Combination of Usage-Based and Direct-Funded	Mandatory	**Performs all Hanford TRU Waste Characterization and Certification activities.**	N/A	**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.

	Scope/Cost Allocation
	<u>Service Description</u>

	This activity provides for TRU and TRUM certification and loading waste for shipment to the Waste isolation Pilot Plant (WIPP). • 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. • 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. **Usage-Based Services** • 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. **Direct-Funded Services** PRC provides ready-to-serve capability for TRU waste receipt, storage, and repackaging. Return to top

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
76	**Industrial and Radioactive Liquid Effluents Treatment and Disposal and Industrial Liquid Effluents Retention and Transfer**	Physical	Direct-Funded	Mandatory	N/A	**Receive from TOC, WTP and RCCC**	Deliver to PRC	Deliver to PRC	Deliver to PRC	Deliver to PRC or RCCC as applicable, except DOE

Scope/Cost Allocation

Service Description

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.

- 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.
- RCCC shall administer the 300 Area Effluent Discharge Permit,

Usage-Based Services

N/A

Direct-Funded Services

Funded through PRC; provided at no cost to Hanford Site contractors. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
77	**Immobilized High Level Waste (IHLW) Interim Storage**	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	**Receive from TOC**	Transport to PRC	Provide filled IHLW canisters for TOC transport	N/A	N/A

Scope/Cost Allocation

Service Description

This activity provides for storage of IHLW.

- PRC shall operate and maintain the Canister Storage Building.
- TOC and PRC shall coordinate on modifications of the CSB for receipt of the IHLW.

Usage-Based Services

Modifications to CSB or construction of other storage capability funded by TOC.

Direct-Funded Services

PRC funds ready to serve operations of the CSB.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
78	**Immobilized low activity waste (ILAW) Disposal**	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	**Receive from TOC and dispose**	Deliver to PRC	Deliver to TOC	N/A	N/A

Scope/Cost Allocation

Service Description

This activity provides for disposal of ILAW.

- 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.

Usage-Based Services

Waste generators provide funding to PRC for the increment of work resulting from their waste.

Direct-Funded Services

PRC provides ready-to-serve capability

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Groundwater and Vadose Zone Project										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
79	**Groundwater/Vadose Zone Integration**	Information / Service	Direct-Funded	Mandatory	Deliver to PRC	**Receive from Site contractors**	Deliver to PRC	N/A	Deliver to PRC	N/A

Scope/Cost Allocation

Service Description

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.

- 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 *Integrated Plan and Schedule for all soil and groundwater work*, and the annual *Groundwater Monitoring Report*.
- Hanford Site contractors shall supply groundwater analysis requirements and reporting of risk assessment data and analysis, input for the Fiscal Year Integrated Groundwater Monitoring Plan for the Hanford Site, comments on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) Groundwater and Deep Vadose Zone Remediation Activity Progress Reports.
- Hanford Site contractors shall provide data/information to PRC on self-performed drill and sample soil borings that yield additional vadose zone characterization data.

Usage-Based Services

N/A

Direct-Funded Services

PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
80	**Hanford Environmental Data Integration**	Information Service	Direct-Funded	Mandatory and Interface	N/A	**Receive from TOC,RCCC, and other site contractors**	Deliver input to PRC	N/A	Deliver input to PRC	Deliver input to PRC, except DOE

Scope/Cost Allocation

Service Description

This activity provides for maintenance, configuration control, and upgrading of key Hanford Site environmental assessment databases.

- The PRC shall serve as Data Manager for the following information systems:
  - 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.

Usage-Based Services

N/A

Direct-Funded Services

PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
81	**Hanford Site Well Drilling and Decommissioning**	Information	Direct-Funded	Interface	Coordinate with PRC	Coordinate with TOC, RCCC, MSC, and other Site contractors	Coordinate with PRC	N/A	Coordinate with PRC	Coordinate with PRC

Scope/Cost Allocation

Service Description

This activity includes drilling and decommissioning of Hanford Site wells.

- PRC shall coordinate with the mission contractors during the installation and maintenance of wells for the groundwater monitoring well network and maintain and implement the *Hanford Site Well Decommissioning Plan.*
- Hanford Site contractors shall provide input for the *Hanford Site Well Decommissioning Plan.*

Usage-Based Services

N/A

Direct-Funded Services

PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Spent Nuclear Fuel										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
82	**Special Nuclear Fuel (SNF) FragmentsTransportation**	Physical	Direct-Funded	Mandatory	N/A	**Receive from RCCC**	N/A	N/A	Transfer to PRC	N/A

Scope/Cost Allocation

Service Description

SNF fragments are safely stored.

- RCCC shall package SNF fragments and transport to PRC.
- PRC shall receive packaged SNF fragments from RCCC.

Usage-Based Services

N/A

Direct-Funded Services

PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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TOC SERVICES AND INTERFACE ACTIVITIES

Base Operations

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
83	**Tank Farm Projects Double Shell Tank (DST) System Management**	Information	Direct-Funded	Interface	N/A	N/A	Integrate with WTP	Deliver input to TOC	N/A	N/A

Scope/Cost Allocation

Service Description

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.

- TOC shall integrate with the WTP contractor, develop the *Integrated Waste Feed Delivery Plan,* and the *River Protection Project System Plan*, and operate the DST system.
- WTP shall provide input for feed delivery integration.

Usage-Based Services

N/A

Direct-Funded Services

TOC bears the cost burden of program administration.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
84	**Vent and Balance**	Service	Usage-Based	Mandatory	Receive service from TOC	Receive service from TOC	**Provide service** to PRC, RCCC, and MSC	Optional	Optional	N/A

Scope/Cost Allocation

Service Description

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.

- 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.

Usage-Based Services

Service as described above

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
85	**Analytical Laboratory Support** ***(Landlord Services for 222-S Laboratory Complex)***	Service	Direct-Funded	Mandatory	N/A	N/A	**Provide service** to LAS&T	N/A	N/A	N/A LAS&T receives service from TOC

Scope/Cost Allocation

Service Description

Analytical Services are performed by the Laboratory Analytical Services and Testing Contractor (LAS&T), a separate prime contractor to DOE-ORP, while laboratory facility operations and maintenance are performed by the contractor.

- TOC shall operate and maintain the 222-S Laboratory Complex to support analysis activities performed by the LAS&T.
- LAS&T will provide input and coordination to support operations.

Usage-Based Services

N/A

Direct-Funded Services

Funded through TOC; provided at no cost to Hanford Site contractors.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contractors
86	**Analytical Integrated Planning (*222-S Laboratory Complex*)**	Information	Direct-Funded	Interface	N/A	Provide data to TOC	Integrate data	Provide data to TOC	N/A	N/A LAS&T provide data to TOC

Scope/Cost Allocation

Service Description

Analytical Integrated Planning provides integrated Site-wide analysis plans, data quality objectives, and process and analytical technology support.

- TOC shall interface with the LAS&T 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.

Usage-Based Services

N/A

Direct-Funded Services

TOC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
87	**Tank Closure and Waste Management Environmental Impact Statement (EIS) and Record of Decision (ROD)**	Information	Direct-Funded	Interface	Deliver input to DOE-ORP	Deliver input to DOE-ORP	Deliver input to DOE-ORP	N/A	N/A	N/A

Scope/Cost Allocation

Service Description

Tank Closure and Waste Management EIS and ROD is a regulatory requirement supporting Hanford Site closure activities. DOE is currently preparing the Tank Closure and Waste Management (TC & WM) Environmental Impact Statement (EIS). The TC & WM EIS is evaluating options for managing and disposing of waste, supplemental treatment, tank closure and establishing final end states for the Fast Flux Test Facility (FFTF) at Hanford. These decisions are expected to be applied to the related programs after 2009.

- DOE-ORP will develop the *Tank Closure and Waste Management EIS and ROD.*
- Hanford Site contractors shall provide input to the *Tank Closure and Waste Management EIS and ROD.*

Usage-Based Services

N/A

Direct-Funded Services

Hanford Site contractors bear the cost of their respective resources for this activity.

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Waste Treatment and Immobilization Plant Support										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
88	**WTP Support**	Information / Service	Direct-Funded	Mandatory and Interface	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

Scope/Cost Allocation

Service Description

WTP interface provides support for WTP construction.

- MSC, PRC, and TOC will participate with WTP in the revision and approval of WTP Interface Control Documents (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.

WTP ICDs include:

- 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*

Usage-Based Services

N/A

Direct-Funded Services

Hanford Site contractors bear internal costs associated with WTP ICD participation, review and approval.

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OTHER DOE DIRECT-CONTRACTED SERVICES										
Interface Number	**Interface Title**	**Interface Type**	**Cost Type**	**Service Type**	**MSC**	**PRC**	**TOC**	**WTP**	**RCCC**	**Other Contracts**
89	**Janitorial Service**	Service	General and Administrative (G&A) cost for each contract.	Optional	Receive service	Receive service	Receive service	N/A	Receive service	Receive service

Scope/Cost Allocation

Service Description

The Janitorial Service Contractor provides janitorial services for certain buildings in the 600, 700 and 1100 Areas of the DOE-RL, Richland, Washington. Services include light cleaning, high cleaning, and special services, as needed.

Usage-Based Services

N/A

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
90	**Laundry Service**	Service	Fee for service.	Optional	Receive service	Receive service	Receive service	Optional	Receive service	Receive service

Scope/Cost Allocation

Service Description

The Laundry Service 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.

Usage-Based Services

N/A

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
91	**Occupational Medicine Service**	Service	Fee for Service	Mandatory	Receive service	Receive service	Receive service	N/A	Receive service	Optional service OHSC – Provides service to site contractors

Scope/Cost Allocation

Service Description

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.

Usage-Based Services

N/A

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
92	**Personnel Security Services**	Information / Service	DirectFunded by DOE	Mandatory	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) PSSC – Provide service to site contractors

Scope/Cost Allocation

Service Description

The Personal Services Security 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.

Usage-Based Services

N/A

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
93	**Research, development, and demonstration**	Service	Usage-Based	Optional	Receive service	Receive service	Receive service	Receive service	Receive service	Receive service **PNNL – Provide service to site contractors**

Scope/Cost Allocation

Service Description

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.

Usage-Based Services

.Service as described above.

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
94	**Sample Analysis *(highly radioactive)***	Service	Fee for Service	Mandatory	N/A	Receive services from LAS&T	Receive services from LAS&T	N/A	N/A	N/A **LAS&T - Provide services** to TOC and PRC

Scope/Cost Allocation

Service Description

Analytical Services are performed by the Laboratory Analytical Services and Testing Contractor (LAS&T) under a separate prime contract to DOE-ORP. LAS&T 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.
The LAS&T 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.
Service users will develop annual Service Level Agreements upon which Fee for Service will be based.

Usage-Based Services

N/A

Direct-Funded Services

N/A

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
95	**Steam Services**	Service	Direct-Funded	Mandatory	Receive service	Receive service	Receive service	N/A	Receive service	Receive service **ESPC - Deliver service** to site contractors

Scope/Cost Allocation

Service Description

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.

Usage-Based Services

N/A

Direct-Funded Services

RCCC & TOC "advance" pay from their DOE funding allocations. MSC & PRC costs are funded by DOE-RL directly to the ESPC from PBS-40.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
96	**Waste Disposal - CERCLA remediation Low Level (LLW) and Contact-handled and Remote-handled (CH/RH) Mixed Low Level (MLLW)**	Physical	Usage-Based	Mandatory	Deliver to RCCC	Deliver to RCCC	Deliver to RCCC	Deliver to RCCC	**Receive from Site contractors**	Optional

Scope/Cost Allocation

Service Description

- 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.

Usage-Based Services

Hanford Site contractors budget for waste treatment and disposal; deliver waste to ERDF.

Direct-Funded Services

N/A

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ATTACHMENT J.4 - APPLICATIONS, PERMITS, AND NOTICES OF CONSTRUCTION

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

Liquid Effluents:

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

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

Air Emissions:

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

Waste Treatment, Storage, Disposal:
The 222-S Laboratory Complex is an interim status Treatment, Storage, and Disposal Facility and does not have a RCRA Permit. An application (DOE/RL-91-27) for a RCRA, Part B, Final Status Treatment, Storage, and Disposal Facility Permit has been submitted to the State of Washington Department of Ecology. The Part A, Form 3, Dangerous Waste Permit Application~~,~~ for the 222-S Dangerous and Mixed Waste Treatment, Storage, and Disposal Unit must be complied with. Applicable conditions of the Hanford Facility Resource Conservation and Recovery Act Permit, Dangerous Waste Portion WA7890008967 Revision 8C, as amended, must also be complied with.

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

ATTACHMENT J.5 - DEPARTMENT OF LABOR WAGE DETERMINATIONS

J.5.8 Wage Determination No. SCA-2015-5527 Rev No. 10 Dated 7/01/2020 (current)

J.5.7 Wage Determination No. SCA CBA-2012-5191 Rev No. 4 Dated 11/19/2018 (current)

"REGISTER OF WAGE DETERMINATIONS UNDER THE SERVICE CONTRACT ACT
By direction of the Secretary of Labor

U.S. DEPARTMENT OF LABOR
EMPLOYMENT STANDARDS ADMINISTRATION
WAGE AND HOUR DIVISION
WASHINGTON D.C. 20210

Daniel W. Simms
Director

Division of
Wage Determinations

Wage Determination No.: 2015-5527
Revision No.: 10
Date Of Last Revision: 07/01/2020

Note: Under Executive Order (EO) 13658 an hourly minimum

wage of $10.80 for calendar year 2020 applies to all contracts subject to the Service Contract Act for which the contract is awarded (and any solicitation was issued) on or after January 1 2015. If this contract is covered by the EO the contractor must pay all workers in any classification listed on this wage determination at least $10.80 per hour (or the applicable wage rate listed on this wage determination if it is higher) for all hours spent performing on the contract in calendar year 2020. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

State: Washington

Area: Washington Counties of Benton Franklin

Fringe Benefits Required Follow the Occupational Listing

OCCUPATION CODE - TITLE	FOOTNOTE	RATE
01000 - Administrative Support And Clerical Occupations		
01011 - Accounting Clerk I		16.65
01012 - Accounting Clerk II		18.69
01013 - Accounting Clerk III		20.91
01020 - Administrative Assistant		29.68
01035 - Court Reporter		18.59
01041 - Customer Service Representative I		15.39
01042 - Customer Service Representative II		17.30
01043 - Customer Service Representative III		18.87
01051 - Data Entry Operator I		17.46
01052 - Data Entry Operator II		19.05
01060 - Dispatcher Motor Vehicle		22.72
01070 - Document Preparation Clerk		14.78
01090 - Duplicating Machine Operator		14.78
01111 - General Clerk I		13.69
01112 - General Clerk II		14.94
01113 - General Clerk III		16.77
01120 - Housing Referral Assistant		20.69
01141 - Messenger Courier		14.91
01191 - Order Clerk I		15.31
01192 - Order Clerk II		16.70
01261 - Personnel Assistant (Employment) I		18.08
01262 - Personnel Assistant (Employment) II		20.24
01263 - Personnel Assistant (Employment) III		22.56
01270 - Production Control Clerk		31.09
01290 - Rental Clerk		15.17
01300 - Scheduler Maintenance		16.59
01311 - Secretary I		16.59
01312 - Secretary II		18.56
01313 - Secretary III		20.69
01320 - Service Order Dispatcher		20.38
01410 - Supply Technician		29.68
01420 - Survey Worker		18.07
01460 - Switchboard Operator/Receptionist		15.57
01531 - Travel Clerk I		14.84
01532 - Travel Clerk II		15.95
01533 - Travel Clerk III		17.09

01611 - Word Processor I	15.07
01612 - Word Processor II	16.91
01613 - Word Processor III	18.91
05000 - Automotive Service Occupations	
05005 - Automobile Body Repairer Fiberglass	21.49
05010 - Automotive Electrician	22.33
05040 - Automotive Glass Installer	20.86
05070 - Automotive Worker	20.86
05110 - Mobile Equipment Servicer	17.88
05130 - Motor Equipment Metal Mechanic	23.83
05160 - Motor Equipment Metal Worker	20.86
05190 - Motor Vehicle Mechanic	23.83
05220 - Motor Vehicle Mechanic Helper	16.39
05250 - Motor Vehicle Upholstery Worker	19.38
05280 - Motor Vehicle Wrecker	20.86
05310 - Painter Automotive	22.33
05340 - Radiator Repair Specialist	20.86
05370 - Tire Repairer	14.84
05400 - Transmission Repair Specialist	23.83
07000 - Food Preparation And Service Occupations	
07010 - Baker	17.23
07041 - Cook I	16.37
07042 - Cook II	19.10
07070 - Dishwasher	12.41
07130 - Food Service Worker	13.65
07210 - Meat Cutter	17.51
07260 - Waiter/Waitress	13.92
09000 - Furniture Maintenance And Repair Occupations	
09010 - Electrostatic Spray Painter	27.34
09040 - Furniture Handler	17.81
09080 - Furniture Refinisher	27.34
09090 - Furniture Refinisher Helper	21.97
09110 - Furniture Repairer Minor	25.99
09130 - Upholsterer	27.34
11000 - General Services And Support Occupations	
11030 - Cleaner Vehicles	13.77
11060 - Elevator Operator	16.03
11090 - Gardener	20.30
11122 - Housekeeping Aide	16.03
11150 - Janitor	16.03
11210 - Laborer Grounds Maintenance	15.09
11240 - Maid or Houseman	12.71
11260 - Pruner	13.59
11270 - Tractor Operator	18.61
11330 - Trail Maintenance Worker	15.09
11360 - Window Cleaner	18.02
12000 - Health Occupations	
12010 - Ambulance Driver	23.80
12011 - Breath Alcohol Technician	24.74
12012 - Certified Occupational Therapist Assistant	33.94
12015 - Certified Physical Therapist Assistant	30.63
12020 - Dental Assistant	19.44
12025 - Dental Hygienist	44.23
12030 - EKG Technician	34.97
12035 - Electroneurodiagnostic Technologist	34.97
12040 - Emergency Medical Technician	23.80
12071 - Licensed Practical Nurse I	22.11
12072 - Licensed Practical Nurse II	24.74
12073 - Licensed Practical Nurse III	27.58
12100 - Medical Assistant	17.69
12130 - Medical Laboratory Technician	23.16
12160 - Medical Record Clerk	18.15
12190 - Medical Record Technician	20.31
12195 - Medical Transcriptionist	21.67
12210 - Nuclear Medicine Technologist	54.36
12221 - Nursing Assistant I	11.42
12222 - Nursing Assistant II	12.85
12223 - Nursing Assistant III	14.02
12224 - Nursing Assistant IV	15.74
12235 - Optical Dispenser	19.06
12236 - Optical Technician	22.11
12250 - Pharmacy Technician	21.68
12280 - Phlebotomist	18.31
12305 - Radiologic Technologist	33.22
12311 - Registered Nurse I	29.51

12312 - Registered Nurse II		36.10
12313 - Registered Nurse II Specialist		36.10
12314 - Registered Nurse III		43.68
12315 - Registered Nurse III Anesthetist		43.68
12316 - Registered Nurse IV		52.36
12317 - Scheduler (Drug and Alcohol Testing)		30.64
12320 - Substance Abuse Treatment Counselor		18.76
13000 - Information And Arts Occupations		
13011 - Exhibits Specialist I		27.32
13012 - Exhibits Specialist II		33.84
13013 - Exhibits Specialist III		41.40
13041 - Illustrator I		27.32
13042 - Illustrator II		33.84
13043 - Illustrator III		41.40
13047 - Librarian		37.48
13050 - Library Aide/Clerk		21.19
13054 - Library Information Technology Systems Administrator		33.84
13058 - Library Technician		27.32
13061 - Media Specialist I		24.42
13062 - Media Specialist II		27.32
13063 - Media Specialist III		30.46
13071 - Photographer I		24.42
13072 - Photographer II		27.32
13073 - Photographer III		33.84
13074 - Photographer IV		41.40
13075 - Photographer V		50.09
13090 - Technical Order Library Clerk		22.67
13110 - Video Teleconference Technician		24.42
14000 - Information Technology Occupations		
14041 - Computer Operator I		19.45
14042 - Computer Operator II		21.76
14043 - Computer Operator III		24.28
14044 - Computer Operator IV		26.98
14045 - Computer Operator V		29.87
14071 - Computer Programmer I	(see 1)	22.85
14072 - Computer Programmer II	(see 1)	
14073 - Computer Programmer III	(see 1)	
14074 - Computer Programmer IV	(see 1)	
14101 - Computer Systems Analyst I	(see 1)	
14102 - Computer Systems Analyst II	(see 1)	
14103 - Computer Systems Analyst III	(see 1)	
14150 - Peripheral Equipment Operator		19.45
14160 - Personal Computer Support Technician		26.98
14170 - System Support Specialist		33.83
15000 - Instructional Occupations		
15010 - Aircrew Training Devices Instructor (Non-Rated)		31.26
15020 - Aircrew Training Devices Instructor (Rated)		37.82
15030 - Air Crew Training Devices Instructor (Pilot)		45.33
15050 - Computer Based Training Specialist / Instructor		31.26
15060 - Educational Technologist		37.11
15070 - Flight Instructor (Pilot)		45.33
15080 - Graphic Artist		23.41
15085 - Maintenance Test Pilot Fixed Jet/Prop		45.33
15086 - Maintenance Test Pilot Rotary Wing		45.33
15088 - Non-Maintenance Test/Co-Pilot		45.33
15090 - Technical Instructor		32.14
15095 - Technical Instructor/Course Developer		39.33
15110 - Test Proctor		25.96
15120 - Tutor		25.96
16000 - Laundry Dry-Cleaning Pressing And Related Occupations		
16010 - Assembler		14.44
16030 - Counter Attendant		14.44
16040 - Dry Cleaner		16.52
16070 - Finisher Flatwork Machine		14.44
16090 - Presser Hand		14.44
16110 - Presser Machine Drycleaning		14.44
16130 - Presser Machine Shirts		14.44
16160 - Presser Machine Wearing Apparel Laundry		14.44
16190 - Sewing Machine Operator		17.22
16220 - Tailor		17.91
16250 - Washer Machine		15.14
19000 - Machine Tool Operation And Repair Occupations		
19010 - Machine-Tool Operator (Tool Room)		38.32
19040 - Tool And Die Maker		38.11

21000 - Materials Handling And Packing Occupations	
21020 - Forklift Operator	18.45
21030 - Material Coordinator	31.09
21040 - Material Expediter	31.09
21050 - Material Handling Laborer	14.77
21071 - Order Filler	14.07
21080 - Production Line Worker (Food Processing)	18.45
21110 - Shipping Packer	17.25
21130 - Shipping/Receiving Clerk	17.25
21140 - Store Worker I	13.75
21150 - Stock Clerk	17.78
21210 - Tools And Parts Attendant	18.45
21410 - Warehouse Specialist	18.45
23000 - Mechanics And Maintenance And Repair Occupations	
23010 - Aerospace Structural Welder	34.05
23019 - Aircraft Logs and Records Technician	26.31
23021 - Aircraft Mechanic I	32.35
23022 - Aircraft Mechanic II	34.05
23023 - Aircraft Mechanic III	36.06
23040 - Aircraft Mechanic Helper	22.25
23050 - Aircraft Painter	30.32
23060 - Aircraft Servicer	26.31
23070 - Aircraft Survival Flight Equipment Technician	30.32
23080 - Aircraft Worker	28.32
23091 - Aircrew Life Support Equipment (ALSE) Mechanic I	28.32
23092 - Aircrew Life Support Equipment (ALSE) Mechanic II	32.35
23110 - Appliance Mechanic	30.32
23120 - Bicycle Repairer	23.25
23125 - Cable Splicer	43.10
23130 - Carpenter Maintenance	23.92
23140 - Carpet Layer	21.40
23160 - Electrician Maintenance	40.98
23181 - Electronics Technician Maintenance I	33.15
23182 - Electronics Technician Maintenance II	35.50
23183 - Electronics Technician Maintenance III	37.87
23260 - Fabric Worker	26.31
23290 - Fire Alarm System Mechanic	32.35
23310 - Fire Extinguisher Repairer	24.27
23311 - Fuel Distribution System Mechanic	32.35
23312 - Fuel Distribution System Operator	24.27
23370 - General Maintenance Worker	20.78
23380 - Ground Support Equipment Mechanic	32.35
23381 - Ground Support Equipment Servicer	26.31
23382 - Ground Support Equipment Worker	28.32
23391 - Gunsmith I	24.27
23392 - Gunsmith II	28.32
23393 - Gunsmith III	32.35
23410 - Heating Ventilation And Air-Conditioning Mechanic	26.10
23411 - Heating Ventilation And Air Contidioning Mechanic (Research Facility)	27.47
23430 - Heavy Equipment Mechanic	26.80
23440 - Heavy Equipment Operator	28.58
23460 - Instrument Mechanic	41.99
23465 - Laboratory/Shelter Mechanic	30.32
23470 - Laborer	14.77
23510 - Locksmith	29.95
23530 - Machinery Maintenance Mechanic	27.22
23550 - Machinist Maintenance	27.85
23580 - Maintenance Trades Helper	21.97
23591 - Metrology Technician I	41.99
23592 - Metrology Technician II	44.20
23593 - Metrology Technician III	46.81
23640 - Millwright	40.89
23710 - Office Appliance Repairer	22.32
23760 - Painter Maintenance	19.88
23790 - Pipefitter Maintenance	39.82
23810 - Plumber Maintenance	37.32
23820 - Pneudraulic Systems Mechanic	32.35
23850 - Rigger	32.35
23870 - Scale Mechanic	28.32
23890 - Sheet-Metal Worker Maintenance	34.57
23910 - Small Engine Mechanic	28.32

23931 - Telecommunications Mechanic I	32.60
23932 - Telecommunications Mechanic II	34.31
23950 - Telephone Lineman	35.05
23960 - Welder Combination Maintenance	26.86
23965 - Well Driller	32.35
23970 - Woodcraft Worker	32.35
23980 - Woodworker	24.27
24000 - Personal Needs Occupations	
24550 - Case Manager	17.89
24570 - Child Care Attendant	12.74
24580 - Child Care Center Clerk	15.89
24610 - Chore Aide	14.04
24620 - Family Readiness And Support Services Coordinator	17.89
24630 - Homemaker	17.89
25000 - Plant And System Operations Occupations	
25010 - Boiler Tender	36.51
25040 - Sewage Plant Operator	32.75
25070 - Stationary Engineer	36.51
25190 - Ventilation Equipment Tender	25.12
25210 - Water Treatment Plant Operator	32.75
27000 - Protective Service Occupations	
27004 - Alarm Monitor	26.63
27007 - Baggage Inspector	19.07
27008 - Corrections Officer	27.08
27010 - Court Security Officer	31.10
27030 - Detection Dog Handler	22.01
27040 - Detention Officer	27.08
27070 - Firefighter	35.08
27101 - Guard I	19.07
27102 - Guard II	22.01
27131 - Police Officer I	37.84
27132 - Police Officer II	42.04
28000 - Recreation Occupations	
28041 - Carnival Equipment Operator	17.36
28042 - Carnival Equipment Repairer	18.94
28043 - Carnival Worker	13.07
28210 - Gate Attendant/Gate Tender	16.59
28310 - Lifeguard	12.53
28350 - Park Attendant (Aide)	18.57
28510 - Recreation Aide/Health Facility Attendant	13.55
28515 - Recreation Specialist	22.99
28630 - Sports Official	14.78
28690 - Swimming Pool Operator	22.22
29000 - Stevedoring/Longshoremen Occupational Services	
29010 - Blocker And Bracer	33.65
29020 - Hatch Tender	33.65
29030 - Line Handler	33.65
29041 - Stevedore I	31.24
29042 - Stevedore II	36.04
30000 - Technical Occupations	
30010 - Air Traffic Control Specialist Center (HFO) (see 2)	39.89
30011 - Air Traffic Control Specialist Station (HFO) (see 2)	27.50
30012 - Air Traffic Control Specialist Terminal (HFO) (see 2)	30.29
30021 - Archeological Technician I	20.44
30022 - Archeological Technician II	22.87
30023 - Archeological Technician III	28.33
30030 - Cartographic Technician	28.33
30040 - Civil Engineering Technician	30.98
30051 - Cryogenic Technician I	31.38
30052 - Cryogenic Technician II	34.65
30061 - Drafter/CAD Operator I	20.44
30062 - Drafter/CAD Operator II	22.87
30063 - Drafter/CAD Operator III	25.49
30064 - Drafter/CAD Operator IV	31.38
30081 - Engineering Technician I	18.20
30082 - Engineering Technician II	20.44
30083 - Engineering Technician III	22.87
30084 - Engineering Technician IV	28.33
30085 - Engineering Technician V	34.65
30086 - Engineering Technician VI	41.92
30090 - Environmental Technician	33.59
30095 - Evidence Control Specialist	28.33
30210 - Laboratory Technician	34.99
30221 - Latent Fingerprint Technician I	31.38

30222 - Latent Fingerprint Technician II		34.65
30240 - Mathematical Technician		28.33
30361 - Paralegal/Legal Assistant I		18.71
30362 - Paralegal/Legal Assistant II		23.17
30363 - Paralegal/Legal Assistant III		28.35
30364 - Paralegal/Legal Assistant IV		34.30
30375 - Petroleum Supply Specialist		34.65
30390 - Photo-Optics Technician		28.33
30395 - Radiation Control Technician		34.65
30461 - Technical Writer I		29.57
30462 - Technical Writer II		36.18
30463 - Technical Writer III		43.77
30491 - Unexploded Ordnance (UXO) Technician I		25.35
30492 - Unexploded Ordnance (UXO) Technician II		30.67
30493 - Unexploded Ordnance (UXO) Technician III		36.76
30494 - Unexploded (UXO) Safety Escort		25.35
30495 - Unexploded (UXO) Sweep Personnel		25.35
30501 - Weather Forecaster I		31.38
30502 - Weather Forecaster II		38.15
30620 - Weather Observer Combined Upper Air Or Surface Programs	(see 2)	25.49
30621 - Weather Observer Senior	(see 2)	28.33
31000 - Transportation/Mobile Equipment Operation Occupations		
31010 - Airplane Pilot		30.67
31020 - Bus Aide		15.19
31030 - Bus Driver		22.15
31043 - Driver Courier		17.73
31260 - Parking and Lot Attendant		13.99
31290 - Shuttle Bus Driver		19.34
31310 - Taxi Driver		17.40
31361 - Truckdriver Light		19.34
31362 - Truckdriver Medium		20.97
31363 - Truckdriver Heavy		23.12
31364 - Truckdriver Tractor-Trailer		23.12
99000 - Miscellaneous Occupations		
99020 - Cabin Safety Specialist		14.95
99030 - Cashier		12.75
99050 - Desk Clerk		13.09
99095 - Embalmer		25.35
99130 - Flight Follower		25.35
99251 - Laboratory Animal Caretaker I		13.56
99252 - Laboratory Animal Caretaker II		14.79
99260 - Marketing Analyst		25.70
99310 - Mortician		25.35
99410 - Pest Controller		23.19
99510 - Photofinishing Worker		13.32
99710 - Recycling Laborer		26.14
99711 - Recycling Specialist		31.92
99730 - Refuse Collector		23.33
99810 - Sales Clerk		13.20
99820 - School Crossing Guard		14.93
99830 - Survey Party Chief		29.32
99831 - Surveying Aide		18.43
99832 - Surveying Technician		25.21
99840 - Vending Machine Attendant		19.61
99841 - Vending Machine Repairer		24.96
99842 - Vending Machine Repairer Helper		19.61

Note: Executive Order (EO) 13706 Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Service Contract Act for which the contract is awarded (and any solicitation was issued) on or after January 1 2017. If this contract is covered by the EO the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness injury or other health-related needs including preventive care; to assist a family member (or person who is like family to the employee) who is ill

injured or has other health-related needs including preventive care; or for reasons resulting from or to assist a family member (or person who is like family to the employee) who is the victim of domestic violence sexual assault or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

ALL OCCUPATIONS LISTED ABOVE RECEIVE THE FOLLOWING BENEFITS:

HEALTH & WELFARE: $4.54 per hour up to 40 hours per week or $181.60 per week or $786.93 per month

HEALTH & WELFARE EO 13706: $4.22 per hour up to 40 hours per week or $168.80 per week or $731.47 per month*

*This rate is to be used only when compensating employees for performance on an SCA-covered contract also covered by EO 13706 Establishing Paid Sick Leave for Federal Contractors. A contractor may not receive credit toward its SCA obligations for any paid sick leave provided pursuant to EO 13706.

VACATION: 2 weeks paid vacation after 1 year of service with a contractor or successor; 3 weeks after 5 years 4 weeks after 10 years and 5 weeks after 20 years. Length of service includes the whole span of continuous service with the present contractor or successor wherever employed and with the predecessor contractors in the performance of similar work at the same Federal facility. (Reg. 29 CFR 4.173)

HOLIDAYS: A minimum of ten paid holidays per year: New Year's Day Martin Luther King Jr.'s Birthday Washington's Birthday Memorial Day Independence Day Labor Day Columbus Day Veterans' Day Thanksgiving Day and Christmas Day. (A contractor may substitute for any of the named holidays another day off with pay in accordance with a plan communicated to the employees involved.) (See 29 CFR 4.174)

THE OCCUPATIONS WHICH HAVE NUMBERED FOOTNOTES IN PARENTHESES RECEIVE THE FOLLOWING:

1) COMPUTER EMPLOYEES: Under the SCA at section 8(b) this wage determination does not apply to any employee who individually qualifies as a bona fide executive administrative or professional employee as defined in 29 C.F.R. Part 541. Because most Computer System Analysts and Computer Programmers who are compensated at a rate not less than $27.63 (or on a salary or fee basis at a rate not less than $455 per week) an hour would likely qualify as exempt computer professionals (29 C.F.R. 541. 400) wage rates may not be listed on this wage determination for all occupations within those job families. In addition because this wage determination may not list a wage rate for some or all occupations within those job families if the survey data indicates that the prevailing wage rate for the occupation equals or exceeds $27.63 per hour conformances may be necessary for certain nonexempt employees. For example if an individual employee is nonexempt but nevertheless performs duties within the scope of one of the Computer Systems Analyst or Computer Programmer occupations for which this wage determination does not specify an SCA wage rate then the wage rate for that employee must be conformed in accordance with the conformance procedures described in the conformance note included on this wage determination.

Additionally because job titles vary widely and change quickly in the computer industry job titles are not determinative of the application of the computer

professional exemption. Therefore the exemption applies only to computer employees who satisfy the compensation requirements and whose primary duty consists of:

(1) The application of systems analysis techniques and procedures including consulting with users to determine hardware software or system functional specifications;

(2) The design development documentation analysis creation testing or modification of computer systems or programs including prototypes based on and related to user or system design specifications;

(3) The design documentation testing creation or modification of computer programs related to machine operating systems; or

(4) A combination of the aforementioned duties the performance of which requires the same level of skills. (29 C.F.R. 541.400).

2) AIR TRAFFIC CONTROLLERS AND WEATHER OBSERVERS - NIGHT PAY & SUNDAY PAY: If you work at night as part of a regular tour of duty you will earn a night differential and receive an additional 10% of basic pay for any hours worked between 6pm and 6am. If you are a full-time employed (40 hours a week) and Sunday is part of your regularly scheduled workweek you are paid at your rate of basic pay plus a Sunday premium of 25% of your basic rate for each hour of Sunday work which is not overtime (i.e. occasional work on Sunday outside the normal tour of duty is considered overtime work).

** HAZARDOUS PAY DIFFERENTIAL **

An 8 percent differential is applicable to employees employed in a position that represents a high degree of hazard when working with or in close proximity to ordnance explosives and incendiary materials. This includes work such as screening blending dying mixing and pressing of sensitive ordnance explosives and pyrotechnic compositions such as lead azide black powder and photoflash powder. All dry-house activities involving propellants or explosives. Demilitarization modification renovation demolition and maintenance operations on sensitive ordnance explosives and incendiary materials. All operations involving re-grading and cleaning of artillery ranges.

A 4 percent differential is applicable to employees employed in a position that represents a low degree of hazard when working with or in close proximity to ordnance (or employees possibly adjacent to) explosives and incendiary materials which involves potential injury such as laceration of hands face or arms of the employee engaged in the operation irritation of the skin minor burns and the like; minimal damage to immediate or adjacent work area or equipment being used. All operations involving unloading storage and hauling of ordnance explosive and incendiary ordnance material other than small arms ammunition. These differentials are only applicable to work that has been specifically designated by the agency for ordnance explosives and incendiary material differential pay.

** UNIFORM ALLOWANCE **

If employees are required to wear uniforms in the performance of this contract (either by the terms of the Government contract by the employer by the state or local law etc.) the cost of furnishing such uniforms and maintaining (by laundering or dry cleaning) such uniforms is an expense that may not be borne by an employee where such cost reduces the hourly rate below that required by the wage determination. The Department of Labor will accept payment in accordance with the following standards as compliance:

The contractor or subcontractor is required to furnish all employees with an adequate number of uniforms without cost or to reimburse employees for the actual cost of the uniforms. In addition where uniform cleaning and maintenance is made the responsibility of the employee all contractors and subcontractors subject to this wage determination shall (in the absence of a bona fide collective bargaining agreement providing for a different amount or the furnishing of contrary affirmative proof as to the actual cost) reimburse all employees for such cleaning and maintenance at a rate of $3.35 per week (or $.67 cents per day). However in those instances where the uniforms furnished are made of ""wash and wear"" materials may be routinely washed and dried with other personal garments and do not require any special treatment such as dry cleaning daily washing or commercial laundering in order to meet the cleanliness or appearance standards set by the terms of the Government contract by the contractor by law or by the nature of the work there is no requirement that employees be reimbursed for uniform maintenance costs.

** SERVICE CONTRACT ACT DIRECTORY OF OCCUPATIONS **

The duties of employees under job titles listed are those described in the ""Service Contract Act Directory of Occupations"" Fifth Edition (Revision 1) dated September 2015 unless otherwise indicated.

** REQUEST FOR AUTHORIZATION OF ADDITIONAL CLASSIFICATION AND WAGE RATE Standard Form 1444 (SF-1444) **

Conformance Process:

The contracting officer shall require that any class of service employee which is not listed herein and which is to be employed under the contract (i.e. the work to be performed is not performed by any classification listed in the wage determination) be classified by the contractor so as to provide a reasonable relationship (i.e. appropriate level of skill comparison) between such unlisted classifications and the classifications listed in the wage determination (See 29 CFR 4.6(b)(2)(i)). Such conforming procedures shall be initiated by the contractor prior to the performance of contract work by such unlisted class(es) of employees (See 29 CFR 4.6(b)(2)(ii)). The Wage and Hour Division shall make a final determination of conformed classification wage rate and/or fringe benefits which shall be paid to all employees performing in the classification from the first day of work on which contract work is performed by them in the classification. Failure to pay such unlisted employees the compensation agreed upon by the interested parties and/or fully determined by the Wage and Hour Division retroactive to the date such class of employees commenced contract work shall be a violation of the Act and this contract. (See 29 CFR 4.6(b)(2)(v)). When multiple wage determinations are included in a contract a separate SF-1444 should be prepared for each wage determination to which a class(es) is to be conformed.

The process for preparing a conformance request is as follows:

1) When preparing the bid the contractor identifies the need for a conformed occupation(s) and computes a proposed rate(s).

2) After contract award the contractor prepares a written report listing in order the proposed classification title(s) a Federal grade equivalency (FGE) for each proposed classification(s) job description(s) and rationale for proposed wage rate(s) including information regarding the agreement or disagreement of the authorized representative of the employees involved or where there is no authorized representative the employees themselves. This report should be submitted to the contracting officer no later than 30 days after such unlisted class(es) of employees performs any contract work.

3) The contracting officer reviews the proposed action and promptly submits a report of the action together with the agency's recommendations and pertinent information including the position of the contractor and the employees to the U.S. Department of Labor Wage and Hour Division for review (See 29 CFR 4.6(b)(2)(ii)).

4) Within 30 days of receipt the Wage and Hour Division approves modifies or disapproves the action via transmittal to the agency contracting officer or notifies the contracting officer that additional time will be required to process the request.

5) The contracting officer transmits the Wage and Hour Division's decision to the contractor.

6) Each affected employee shall be furnished by the contractor with a written copy of such determination or it shall be posted as a part of the wage determination (See 29 CFR 4.6(b)(2)(iii)).

Information required by the Regulations must be submitted on SF-1444 or bond paper.

When preparing a conformance request the ""Service Contract Act Directory of Occupations"" should be used to compare job definitions to ensure that duties requested are not performed by a classification already listed in the wage determination. Remember it is not the job title but the required tasks that determine whether a class is included in an established wage determination. Conformances may not be used to artificially split combine or subdivide classifications listed in the wage determination (See 29 CFR 4.152(c)(1))."

ATTACHMENT J.6 - HANFORD 222-S LABORATORY DOCUMENTED SAFETY ANALYSIS

In accordance with Section C requirements, the following documents are incorporated and provided in separate PDF files:

Documented Safety Analysis:

Technical Safety Requirements:

ATTACHMENT J.7 - DOE Office of Environmental Management FY 14

Annual Performance Agreement

FY14 Annual Performance Agreement

U.S. Department of Energy

U.S. Department of Energy

Rev 3.2

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Office of Environmental Management
FY 2014 Performance Agreement

The Office of Environmental Management (EM) is working to complete the safe cleanup of the environmental legacy brought about by five decades of nuclear weapons development and government-sponsored nuclear energy research. For FY 2014, EM's commitments advance the program and management goals, priorities, and expectations of the Department of Energy (DOE). They will move us toward a more efficient and effective organization by using a business model that reflects the management philosophy of empowering the Field with the authorities and resources necessary to successfully execute the EM Program mission safely. The "lapse in appropriations" at the beginning of the fiscal year has disrupted work execution and may delay completion of proposed milestones.

This Performance Agreement articulates the link between DOE's Strategic Goals and those of EM. It is intended to communicate the metrics used to measure progress, and convey the commitment of EM's Senior Management to the mission of DOE. This Agreement is the commitment by the EM leadership team to turn ideas into reality and resources into results.

DOE Strategic Plan and EM's Mission

In May 2011, the Department released its Strategic Plan, a document that outlines the broad, cross-cutting and collaborative goals that stretch across our complex. The Strategic Plan is intended to serve as a blueprint for DOE to help address the Nation's energy, environmental, and nuclear challenges through transformative science and technology solutions. At the heart of that plan are the following Departmental goals:

DOE Goal 1: Transform Our Energy Systems. Catalyze the timely, material and efficient transformation of the Nation's energy system and secure U.S. leadership in clean energy technologies

DOE Goal 2: The Science and Engineering Enterprise. Maintain a vibrant U.S. effort in science and engineering as a cornerstone of our economic prosperity with clear leadership in strategic areas

DOE Goal 3: Secure Our Nation. Enhance nuclear security through defense, nonproliferation, and environmental efforts

DOE Goal 4: Management and Operational Excellence. Establish an operational and adaptable framework that combines the best wisdom of all Department stakeholders to maximize mission success

The plan expresses how the Department's missions and programs are designed to bring the best minds and capabilities to bear on important problems. DOE draws on the diverse talents of our federal workforce, scientists and engineers from national laboratories, academia, and the private sector in multidisciplinary teams, striving to find solutions to the most complex and pressing challenges. At the time of this writing, DOE has initiated efforts to develop a new Strategic Plan. Once completed, this Performance Agreement will be updated, as appropriate.

Measuring Progress

EM leadership has developed and assigned specific efforts targeted to further the overall mission of the organization. These management initiatives are each led by an assigned Deputy Assistant Secretary sponsor and will be implemented through a Plan of Action and Milestones (POAM). A review of the status of these initiatives will be conducted on a bimonthly basis to ensure the organization is on-track to meet these high level commitments:

- Partner with NE to develop a strategy and alternatives for the utilization of WIPP for expanded material and waste forms. Resolve storage and disposition pathways of other waste forms
- Execute a National Academy of Science (NAS) study on Waste Classification in coordination with EM-10
- Complete first shipment of Hanford Tank Waste, considered and classified as TRU, to WIPP
- Complete construction of Low Activity Waste (LAW) facility at Hanford, along with direct feed capability and begin radioactive operations of the LAW facility no later than December 2019
- Complete construction by December 2016 and begin radioactive operations for the Salt Waste Processing Facility by December 2018
- Complete treatment of liquid sodium bearing waste at Idaho and close the four remaining liquid waste storage tanks. Achieve full operations, with high reliability, of IWTU
- Award of Paducah Site Surveillance & Maintenance contract
- Award the Expression of Interest/Request for Offerors for the future use of the Paducah gaseous diffusion plant and facilities and uranium tails
- Complete a site-by-site and contract-by-contract plan to consider and implement (as appropriate) the Deputy Secretary's principles for aligning contract management. Plan should include specific milestones and should include the participation of the relevant field office manager and the relevant DAS
- Review the regulatory framework for each site to determine flexibility in aligning expectations (to include potential new milestones and agreements under discussion) with current and out-year budget projections
- Implement process/procedures for scrap metal recycling to address: 1) clean materials in clean areas, 2) clean material in contaminated areas, and 3) contaminated materials in contaminated areas. Initial approach may focus on nickel recycling
- Prepare an EM analysis to assess the EM HQ and Field workforce/skills mix to justify increasing EM's FTE personnel cap. Prepare a presentation to OMB
- Determine viability of processing graphite matrix coated used nuclear fuel (UNF) at SRS
- Continue Safety Conscious Work Environment (SCWE) training for all HQ EM staff. Develop and implement ongoing Safety Culture sustainment actions based on the information from the safety culture extent of condition review and benchmarking data
- Analyze Infrastructure and Min-Safe activities and costs across EM sites. Establish guidance if necessary
- Continue H-canyon operations in support of non-proliferation activities. Facilitate cost-effective use of the Nation's only large-scale operating chemical and nuclear processing facility and comply with the public law by maximizing utilization of H-canyon facilities

Goals and Metrics

EM's primary responsibility is the safe cleanup of the environmental legacy of research and materials production by DOE and its predecessor agencies for which Congress established the EM Program. Programmatic success will be measured by *what* is accomplished, that is the number of sites restored,

quantities of waste treated and disposed of, amounts of soil and groundwater remediated, etc. However, overall success will also be measured by *how* the program is managed, i.e., through critical management goals such as safety performance, project and contract management, and excellence in business management practices. To support this commitment to both improvement and programmatic success, EM has identified the following goals, strategies and metrics specifically for FY 2014. These goals evolve directly from DOE's 2012 Amended Strategic Goals articulated by the Secretary of Energy.

Safety Culture

The safety of EM workers is a core value that is incorporated into every aspect of the EM program. To best protect our workers, EM has a goal of zero accidents or incidents in the work place and to date, has maintained a strong safety record. EM continues to utilize the Integrated Safety Management System to ensure that all work activities are appropriately scoped, analyzed for hazards, comprehensively planned to eliminate or mitigate those hazards, and effectively performed by trained employees. In addition, EM follows DOE Order 226.1B; *Implementation of Department of Energy Oversight Policy* that establishes the philosophy that line management is responsible for ensuring safety when work is performed. EM seeks to continue safety improvements by instituting corrective actions, promoting lessons learned, and developing new or improved processes.

Goal 1:	Improve safety, security and quality performance towards a goal of zero accidents, incidents, and defects and continue to improve the EM Complex-Wide Safety Culture

Strategies

- Use rigorous management oversight to help ensure EM sites and projects integrate safety, security and quality throughout their lifecycle, including planning, procurement, design, engineering, construction, commissioning, operation, deactivation/decommissioning, and environmental restoration
- Foster a safety culture that promotes quality work in a safe and secure manner by establishing strong leadership behaviors that reflect EM's expectations
- EM will further the implementation of Safety Conscious Work Environment (SCWE) training to all HQ EM staff. Develop and implement ongoing safety culture sustainment actions based on the information from the safety culture extent of condition review and benchmarking data in accordance with DOE's Safety Culture Improvement Implementation Plan
- Develop a transparent relationship with the Defense Nuclear Facilities Safety Board (DNFSB) to expeditiously resolve DNFSB concerns and issues
- For response to formal DNFSB correspondence requiring field input, the Field will submit final products at least 30 days prior to the established formal deliverable due date for Headquarters processing
- Collect key performance metrics that monitor the health of key security programs and equipment to prevent identified adverse outcomes or events, track data, and investigate and address emergent negative trends
- EM will continue to implement its Corporate Quality Program consistent with the quality requirements established in DOE O 414.1D, "Quality Assurance"

Metrics

- Metric 1.01: Maintain an average Total Recordable Case rate of <1.1 and a Days Away from Work, Restricted Work or Transfer case rate of <0.6
- Metric 1.02: Finalize implementation of EM-QA-001 Revision 1 by September 30, 2014, and verify through a HQ assessment of each EM field organization
- Metric 1.03: Ensure at least 80 percent of EM sites and contractors have documented performance metric processes and maintain key performance metrics that monitor the health of key security programs and equipment
- Metric 1.04: Maintain less than 20 percent overdue action items resulting from Defense Nuclear Facilities Safety Board (DNFSB) letters or recommendations
- Metric 1.05: Meet Federal Information Security Management Act (FISMA) requirements in accordance with planned EM activities
- Metric 1.06: Accomplish a web application penetration test of 50 public facing applications throughout the enterprise by September 30, 2014, such that vulnerabilities are discovered and mitigated

Reducing Lifecycle Cost

EM will continue to identify opportunities to make strategic investments that reduce the overall cost of the cleanup program while shortening project and program schedules. The current life-cycle cost estimate for EM is $274 to $309 billion. This includes $100 billion in actual costs from 1997 through 2011, and an additional estimate of $174 to $209 billion to complete EM's remaining mission in the timeframe of 2050 to 2062. EM will continue to identify opportunities, including technology development, to reduce the life-cycle cost of its program. In FY 2014, EM plans to continue investing in technologies that might/could reduce life-cycle costs, such as modeling to predict complex behaviors of radionuclides; developing in situ decommissioning sensor performance monitoring; investigating small column ion exchange technology to reduce cost of treating liquid waste; and evaluating the effects of placing heat-generating radioactive waste in a salt repository.

Goal 2:	Continue cleanup progress in a cost effective manner that is risk-informed, engages stakeholders, applies innovative solutions and provides value to the American taxpayer

Strategies

- Reduce risk, lower cost, and accelerate project completion by using the best scientific and technical resources available to ensure the technologies selected for development and deployment are appropriate
- Ensure projects have the tools necessary to succeed in the most efficient manner by working with the Federal staff, contractors, and union representatives to identify their needs
- Use Construction Project Reviews to identify and assist in resolution of key project issues regarding scope, cost, schedule, project risk management, security requirements, and technical approach

- Ensure Construction Project Review recommendations align with contract requirements. Partnership agreements may be considered but are informal
- Continue to implement the Operations Activity Protocol issued as Revision 0, March 15, 2012, conduct quarterly reviews of operations activities and revise as needed based on lessons from implementation
- Work to resolve storage and disposition pathways for HLW and spent nuclear fuel managed by the DOE
- Implement process/procedures for scrap metal recycling to address: 1) clean materials in clean areas, 2) clean material in contaminated areas, and 3) contaminated materials in contaminated areas. Initial approach may be to focus on nickel recycling
- Partner with NE to develop a strategy and alternatives for the utilization of WIPP for NNSA surplus material disposition and expansion of the WIPP mission
- Continue to safely transport and dispose of RH-TRU from Argonne National Laboratory in support of reducing laboratory facility from Category 2 to Category 3 as funding allows
- Reduce the life cycle cost by evaluating and implementing opportunities transferring leasing EM assets for reindustrialization and reutilization especially for renewable energy projects in support of DOE mission
- Work towards substantially completing the Low Activity Waste Vitrification Facility Construction by December 31, 2014
- Expand the use of authorized limits to support a cost effective approach to site remediation and D&D: specifically apply to Gaseous Diffusion Plants, in coordination with Portsmouth and/or Paducah
- Finalize and implement Operation Activity Manager certification program metrics

Metrics

- Metric 2.01: Working with stakeholders, industry and the sites create at least one business model for reindustrialization and reutilization for renewable energy projects on EM lands based on public-private partnership approach
- Metric 2.02: Review the regulatory framework for each site to determine flexibility in aligning expectations with current and out-year budget projections
- Metric 2.03: Complete final evaluation for procurement process to acquire services to deactivate the Paducah Gaseous Diffusion Plant upon turnover from the USEC
- Metric 2.04: Finalize agreement for sale of depleted and off-specification Uranium Hexafluoride Inventories at Paducah and Portsmouth
- Metric 2.05: Initiate an Environmental Assessment (EA) to evaluate the impacts of the receipt, storage and disposition of the German graphite spheres
- Metric 2.06: Conduct two workshops through the National Academy of Sciences on best practices for risk-informing decisions on remedies and closure and post-closure activities
- Metric 2.07: Implement requirement for certification of Operation Activity Managers by December 31, 2013

Achieving Excellence in Contract and Project Management

To ensure that EM delivers the best value for the American taxpayers, the FY 2014 budget request reflects continued improvement in acquisition, contract, and project management. EM will further

improve acquisition processes by obtaining early involvement and approvals on various acquisition approaches from DOE senior management, including the Office of Acquisition and Project Management, the Office of the General Counsel, and the Office of Small and Disadvantaged Business Utilization.

EM's continued progress in contract and project management has resulted in EM meeting three of the five criteria needed in order to be removed from the Government Accountability Office's (GAO) High Risk List. One of GAO's remaining concerns is that EM must provide the capacity (people and resources) to address problems. EM's reorganization of February 2012 established project sponsor positions at Headquarters for all capital asset projects Field project and contract management resources will be evaluated to determine and address any gaps in staffing and skills for proper oversight so that any gaps can be addressed. GAO's second remaining concern is that EM must monitor and independently validate the corrective measures that it has taken to help ensure they are both effective and sustainable over the long term. EM's Annual Performance Agreement has been established as a vehicle for measuring, tracking, and validating progress. EM has also developed a Continuous Improvement Program for Contract and Project Management to guide and monitor improvements.

Goal 3:	Improve management of contracts and projects/operations activities with the objective of delivering results on time and within cost

Strategies

- Annually assess contract and project management staffing and skills to build and sustain needed capacity for Federal oversight of EM mission. *(GAO High Risk Criteria)*
- Independently validate the effectiveness and sustainability of contract and project management improvement actions through project and contract management reviews. *(GAO High Risk Criteria)*
- Improve acquisition planning and contract management by adhering to principles described in Deputy Secretary's policy memorandum of December 13, 2012: 1) always seeking to align contractor interest with taxpayer interest; and 2) structuring contracts so that each party bears responsibility for its own actions
- Improve the timeliness of approvals for contract performance baselines, contract modifications, and project/operations activity changes to maintain contract, project/operations activity and budget alignment by ensuring change management requirements and guidance is understood and being followed
- Increase the use of prime contractor small businesses
- Become a stronger owner by ensuring requirements are clearly delineated in the contracts, by holding contractors accountable for delivering results, and by ensuring contractors' performance is fairly documented
- Execute world-class contract and project management, and administration of traditional contracts in accordance with OMB Circular A-123, Federal Acquisition Regulation, Department of Energy Acquisition Regulation, EM Head of Contracting Activity directives to ensure the activities listed below are executed in strict compliance: 1) separation of duties and functions; 2) performance evaluation and measurement; 3) fee determination; 4) timely approval, recording/documentation

of changes; 5) resolution of audit findings and other deficiencies; 6) management of acquisition workforce; 7) proper review and certification of business systems; and 8) timely contract closeout
- Make progress in resolving the five oldest outstanding contract changes at each site

Metrics

- Metric 3.01: Achieve the overall prime contract small business goal of 6% for each site with a stretch goal of meeting the current DOE goal
- Metric 3.02: Approve contract performance baselines with work aligned with the contract for the following contracts: 1) DUF6 Conversion Plants; 2) ORP Tank Operations; 3) Waste Treatment and Immobilization Plant project; 4) Salt Waste Processing Facility project; and for all new contracts within 180 days after transition
- Metric 3.03: Implement partnering agreements for the following two contracts: 1) Savannah River Nuclear Solutions; and 2) Idaho Treatment Group
- Metric 3.04: Ensure 90% of capital projects have Federal Project Directors that are certified at the appropriate level assigned to projects not later than CD-3
- Metric 3.05: Complete 16 project peer reviews for active post CD-0 capital projects with TPCs greater than $10M
- Metric 3.06: Complete a site-by-site and contract-by-contract plan to consider and implement (as appropriate) the Deputy Secretary's principles for aligning contract management
- Metric 3.07: Ensure 95% of contractors maintain their Earned Value Management System certification, when EVMS is required by the contract

Management Excellence

As described in DOE's Strategic Plan, EM's success will require a sustained commitment to management excellence from Headquarters to every site office, service center, laboratory, and production facility. Management principles will be translated into action by focusing on operational and technical excellence. That excellence requires developing the most highly qualified, capable, and flexible federal workforce. Additionally, our management principles require implementation of a performance-based culture that clearly links work to agency goals, hold employees accountable for meeting our mission, and appropriately rewards employees for their efforts. These concepts are represented in EM's fourth goal.

Goal 4:	Achieve excellence in leadership and resource management by championing financial stewardship, integrating business processes, optimizing EM culture change, and improving communications with the objective of enhancing accountability and achieving performance results

Strategies

- Use surveys to identify where EM can enhance its customer and stakeholder relationships and implement improvements
- Utilize the results of the Employee Viewpoint Survey to implement actions that will improve all aspects of the EM Workplace and enhance mission execution

Metrics

- Metric 4.01: Analyze Infrastructure and Min-Safe activities and costs across EM sites. Complete Report on the Analysis of Infrastructure And Min-Safe Activities
- Metric 4.02: Prepare an analysis to assess the EM HQ and Field workforce/skills mix and prepare a presentation to OMB by December 2013.
- Metric 4.03: Ensure at least 90% of employees are either on current IDPs or EEPs that align to EM goals and objectives. Review employee Learning and Development progress on a quarterly basis
- Metric 4.04: Develop a strategic framework that integrates leadership culture, employee engagement, safety conscious work environment and diversity and inclusion to implement improvements in organizational culture
- Metric 4.05: Develop an EM complex-wide Human Capital Management Plan to include strategies for Knowledge Transfer
- Metric 4.06: Develop an EM career intern program based on the DOE new Pathways program

Sustainability

As stated in the DOE Strategic Plan, "*The Department is uniquely positioned to lead by example in transforming domestic energy use. Integrating sustainability throughout the Department is an essential aspect of implementing Executive Order 13514, Federal Leadership in Environmental Energy, and Economic Performance, and Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management, as well as related statutes, and meeting or exceeding all required energy management and environmental goals. As stated in the U.S. Department of Energy Strategic Sustainability Performance Plan (SSPP), the Department will reduce greenhouse gas emissions from onsite combustion of fossil fuel, fugitive emissions, and purchased power by 28% and reduce emissions from outside sources—such as business travel and employee commuting—by 13% by 2020. We will strive to exceed these goals at our own facilities by incorporating sustainability into all corporate management decisions,*
continually improving our operations and existing infrastructure to maximize efficient use of energy and natural resources, and ensuring, whenever built, new facilities are highly energy efficient. We will also meet the new goal on Climate Change Adaptation which has been elevated by the President's Climate Action Plan in June, 2013". The strategies and metrics of EM's Goal 5 are our responses to the Sustainability challenge.

Goal 5:	Execute the EM Mission in a Sustainable Manner

Strategies

- Meet Executive Order 13514 - reduce energy intensity in agency buildings, by soliciting suggestions from the staff and contractors
- Identify means for reducing the overall EM carbon footprint

- Utilize the Department's Energy Saving Performance Contract (if viable) or alternative data center optimization practices to reduce the IT data center's infrastructure footprint while providing state of the art services
- Identify activities that promote climate change adaptation and mitigation
- Work with local jurisdictions, as appropriate, to develop regional partnerships for climate change information sharing and collaboration

Metrics

- Metric 5.01: Promote effective IT energy conservation practices across EM, with at least 3 sites joining, or continuing to participate in, EPA's "Federal Green Challenge" (FGC) or winning a DOE Sustainability (Green IT) award by September 30, 2014
- Metric 5.02: Utilize DOEGRIT or DC Pro energy efficiency assessment tools at 2 EM data centers to document baseline configurations by September 30, 2014
- Metric 5.03: Reduce EM's IT data center footprint by 20% by September 30, 2014
- Metric 5.04: Conduct detailed risk or vulnerability assessments, as appropriate, for selected EM site(s)
- Metric 5.05: Update site sustainability plans to address climate change resiliency

Process and Procedure

The Office of Program Planning and Budget will track/monitor the progress on strategies and metrics identified in this agreement and provide periodic reports to EM Management. EM DASs, Field Managers and Office Directors will update the status of all items on a quarterly basis through the predetermined tracking or reporting systems involving the appropriate field sites as needed. All changes to goals and/or metrics will be fully vetted, documented and used as lessons learned when appropriate. All the results will be evaluated and assessed to ensure success meeting of goals as well as their effectiveness and appropriateness. The results of these assessments will be considered for lessons learned and possible impact on FY 2014 goals.

EM Senior Advisor Support

In order to accomplish the goals herein described, it is the EM Senior Advisor's objective to *provide visible, high profile support to:*

- Ensure that the necessary resources are in place to promote the success of these goals

- Communicate goal achievement and progress periodically through EM Updates, Reports and other media

- Formally recognize superior efforts in achieving goals through incentive awards

- Communicate, negotiate and mitigate responses and issues with senior Department and private sector officials

Office of Environmental Management

Terms of Agreement

This agreement is intended to improve the internal management of the U.S. Department of Energy's Office of Environmental Management and is not intended to and does not create any right, benefit, trust or responsibility, substantive or procedural, enforceable by law or equity by any party against the U.S. Department of Energy, its agencies, its officers, or any person. This agreement will remain in effect until modified. It is expected that it will be updated as needed to reflect significant changes in budget, policy, personnel or other factors that may affect the accomplishment of objectives. This agreement represents our joint commitment to an EM that works better, costs less, and fulfills our sacred trust to the American People.

EM Senior Advisor — Date

Principal Deputy Assistant Secretary — Date 11/7/13

Chief of Staff — Date 11/7/13

Office of External Affairs — Date 11/7/13

Deputy Assistant Secretary, Site Restoration — Date 11/25/13

Deputy Assistant Secretary, Tank Waste & Nuclear Material — Date 11/6/13

Deputy Assistant Secretary, Waste Management — Date 11/25/13

Deputy Assistant Secretary, Safety, Security & Quality Programs — Date 11/25/13

Deputy Assistant Secretary, Acquisition & Project Management — Date Nov 6, 2013

Deputy Assistant Secretary, Program Planning & Budget — Date 11/22/13

Deputy Assistant Secretary, Human Capital & Corporate Services — Date 11/25/13

Associate Principal Deputy Assistant Secretary — Date 11/20/13

Manager, Carlsbad Field Office — Date 11/6/13

Manager, Consolidated Business Center — Date 11/6/13

Manager, Idaho Operations Office — Date 11/25/2013

Manager, Oak Ridge Operations Office — Date 11/22/13

Manager, Office of River Protection — Date 11/22/13

Manager, Portsmouth/Paducah Project Office — Date 11/12/13

Manager, Richland Operations Office — Date 11/25/13

Manager, Savannah River Site — Date 11/6/13

- CBC-03: Award Engineering Technology Engineering Center (ETEC) Contract in FY14
- CBC-04: Complete solidification and shipment of 9,000 gallons of SPRU Tank Residual Radioactive Waste from Building H2 in FY14

ETEC

Metrics

- ETEC-01: Complete chemical and radiological soil characterization that defines the nature and extent at the ETEC site by June 30, 2014
- ETEC-02: Complete the Notice of Intent (NOI) and re-Scoping of the NEPA process by April 30, 2014
- ETEC-03: Complete the groundwater characterization for the Area IV responsibilities by September 30, 2014

Idaho

Strategy

- Maintain shipments of TRU waste to WIPP in accordance with WIPP's integrated schedule

Metrics

- INL-01: Begin hot operations of the Idaho Integrated Waste Treatment Unit (IWTU) by June 30, 2014
- INL-02: Initiate treatment of liquid sodium bearing waste by May 30, 2014
- INL-03: Complete exhumation work at the Accelerated Retrieval Project (ARP) II and III facilities by March 30, 2014

LANL

Strategies

- Submit approval of interim work plan on chromium in groundwater
- Resolve litigation on 2010 RCRA Permit

Metrics

- LANL-01: Complete Framework Agreement Legacy TRU Waste Disposal Component: Dispose of 1,106 m3 legacy TRU waste under 3706 TRU Campaign by June 30, 2014
- LANL-02: Submit supplemental interim work plan on chromium in groundwater
- LANL-03: Submit integrated Lifecycle Baseline to Headquarters for approval by July 30, 2014

Moab

Strategy

- Continue efforts to reduce project life cycle costs and reduce the overall project completion schedule

Metrics

- Moab-01: Safely transport and dispose of 650K tons of Uranium Mill Tailings by September 30, 2014
- Moab-02: Continue groundwater cleanup with the extraction of 15,000,000 gallons of water and removal of 250 lbs of uranium by September 30, 2014

Nevada

Strategies
- Continue progress toward closure of approximately 900 subsurface contaminated groundwater sites
- Continue audits and waste certification reviews in support of generator programs to ensure compliance with the Nevada National Security Site Waste Acceptance Criteria

Metric
- NNSS-01: Complete characterization activities for 19 contaminated soil sites and closure of 16 contaminated soil sites

Oak Ridge

Strategy
- Establish a TRU Central Characterization Program through CBFO

Metrics
- ORO-01: Submit integrated lifecycle baseline updates to Headquarters for approval by December 31, 2013
- ORO-02: Obtain agreement from regulators for the siting of the Environmental Management Disposal Facility by September 30, 2014
- ORO-03: Submit CD-1 package for the Outfall 200 project in sufficient time for approval by September 30, 2014
- ORO-04: Complete demolition and waste disposal for four of the remaining six units of the K-25 Building at Oak Ridge's East Tennessee Technology Park by September 30, 2014
- ORO-05: Renegotiate the current STP milestone for construction start of the sludge build out project by September 30, 2014

Office of River Protection

Strategies
- Resolve issues with respect to the High Level Waste Facility sufficiently that plans can be completed and construction ramped up to planned level in FY14
- Continue construction on Analytical Laboratory, Low Activity Waste Facility, and Balance of Facilities
- Define the path forward for the tanks that potentially contain contact-handled TRU waste

Metrics

- ORP-01: Complete the High-Level Waste (HLW) Facility Technical Issue Resolution Plan so that decision can be made on resumption of HLW production engineering and appropriate construction by June 30. 2014
- ORP-02: Complete an initial version of the Interface Control Document (ICD) 19 that provides the waste characterization feed parameters necessary to optimize Full Scale Vessel Testing by September 30, 2014
- ORP-03: Complete hard-heel waste removal from 4 single shell tanks in C Farm by September 30, 2014
- ORP-04: Restart the 242-A Evaporator and conduct 3 evaporator campaigns by July 30, 2014

Portsmouth/Paducah

Metrics

- PPPO-01: Complete process to support issuance of ROD on CERCLA cell at Paducah
- PPPO-02: Submit to Ohio Environmental Protection Agency (Ohio EPA) the Proposed Plan for the Site-Wide Waste Disposition Evaluation Project by September 30, 2014
- PPPO-03: Establish long term operational parameters and align operational baseline for DUF6 by September 30, 2014
- PPPO-04: Submit to Ohio EPA the Proposed Plan for the Process Buildings and Complex Facilities D&D Evaluation Project by September 30, 2014
- PPPO-05: Disposition Legacy and newly generated LLW & MLLW of 10,000 cubic meters
- PPPO-06: Remove 50 complete cells of process gas equipment from X-326 process building at the Portsmouth Gaseous Diffusion Plant
- PPPO-07: Complete shipment of a combination of 500 converters and compressors from the X-326 process building

Richland

Strategies

- Initiate implementation of beryllium corrective action plan products into the site's Chronic Beryllium Disease Prevention Program (CBDPP)
- Issue the draft natural gas pipeline Environmental Impact Statement for public comment

Metrics

- RL-01: Complete removal of the 174 glove boxes associated with Plutonium Finishing Plant capital asset project
- RL-02: Complete cleanup of 80 waste sites in the Columbia River Corridor
- RL-03: Complete decontamination and demolition of all (11) surplus facilities in the Columbia River Corridor (except 324 Building and 100K)
- RL-04: Remediate 1.8 Billion gallons of contaminated groundwater
- RL-05: Complete a Pretreatment Facility Technical Issue Resolution Plan for the Waste Treatment Plant project that outlines scope and schedule to resume Pre-Treat Facility engineering and return the HLW Facility to construction status by September 30, 2014

Savannah River

Strategies

- Continue processing Used Nuclear Fuel (e.g., Sodium Reactor Experiment (SRE); Material Testing Reactor (MTR); and High Flux Isotope Reactor (HFIR) at H Canyon)
- Dissolve plutonium feedstock in H Canyon to feed HB line for conversion to oxide (for MOX), meeting HB-Line throughput requirements
- Perform activities to reduce the risk to personnel and the environment by reducing the residual plutonium-238 contamination in the F-Area Materials Storage Facility (235-F) as committed in DNFSB Recommendation 2012-1

Metrics

- SRS-01: Dissolve plutonium feedstock in H Canyon at the Savannah River Site to feed HB line for conversion to oxide (for MOX), meeting HB-Line throughput requirements
- SRS-02: Perform activities to reduce the risk to personnel and the environment by reducing the residual plutonium-238 contamination in the F-Area Materials Storage Facility (235-F) as committed in DNFSB Recommendation 2012-1
- SRS-03: Produce 100 canisters of highly radioactive waste with 2 million curies at the Defense Waste Processing Facility at Savannah River by September 30, 2014
- SRS-04: Perform activities to support 46 TRUPACT3 shipments of Legacy CH-TRU Waste out of SRS to the WIPP by September 30, 2014.
- SRS-05: Close Tanks 5 and 6 at the Savannah River Site by September 30, 2014
- SRS-06: Tank waste processed for disposition (mass of sodium): 400 metric tons by September 30, 2014
- SRS-07: Accept FRR and DRR receipts as agreed to with NNSA
- SRS-08: Complete processing Sodium Reactor Experiment (SRE) Fuel and begin treatment of aluminum-clad spent nuclear fuel
- SRS-09: Determine viability of processing graphite matrix coated used nuclear fuel (UNF)
- SRS-10: Complete CPA 100 foot elevation north labyrinths piping installation.
- SRS-11: Implement Savannah River National Laboratory Infrastructure Plan to reduce operational cost by facility and scientific instrument renewal as well as an improved Asset Condition Index

West Valley

Strategy

- Build a dry cask storage system for HLW canisters to permit timely D&D of the site.

Metrics

- WVDP-01: Complete demolition of the Environmental Lab by June 30, 2014
- WVDP-02: Complete fabrication of eight Vertical Storage Casks and eight Multi Purpose Canisters for the High-Level Waste Canister Relocation Project by September 30, 2014
- WVDP-03: Complete Vitrification Cell decontamination and final survey by September 30, 2014

ATTACHMENT J.8 - GOVERNMENT FURNISHED PROPERTY LIST

Identifier	Official Name	Manufacturer	Model	Quantity	Asset Value	Acquisition Date	Site	Building	Room
WC77414	COMPUTER	DELL COMPUTER	GX150MT	1	$768.00	4/9/2002	200W	222S	4C
WC90968	COMPUTER	DELL COMPUTER	GX620MT	1	$704.52	9/18/2006	200W	222S	B1F
WC90969	COMPUTER	DELL COMPUTER	GX620MT	1	$704.52	9/18/2006	200W	2713S	146E
WC90974	COMPUTER	DELL COMPUTER	GX620MT	1	$704.52	9/18/2006	200W	222S	B1F
WC90976	COMPUTER	DELL COMPUTER	GX620MT	1	$704.52	9/18/2006	200W	222S	4M
WC92213	PROJECTOR	DELL COMPUTER	2400MP	1	$1,227.46	7/11/2007	200W	2704S	25
WC94561	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$799.55	5/6/2008	200W	2713S	146L
WC94564	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$799.55	5/6/2008	200W	222S	5-A/B
WC94626	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$799.55	5/20/2008	200W	2713S	146F
WC94669	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$799.55	6/6/2008	200W	2713S	129
WC94672	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	6/11/2008	RCHN	1979SNYDER	STE 130 C17
WC94675	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	6/11/2008	200W	2704S	29
WC94708	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	6/25/2008	RCHN	1979SNYDER	STE 130 C-14
WC94728	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	7/1/2008	200W	2713S	146E
WC94732	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	7/8/2008	200W	2713S	139
WC94780	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	7/17/2008	200W	2713S	143
WC94794	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	7/17/2008	200W	2704S	27-B
WC94846	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$942.00	7/23/2008	200W	2713S	147L
WC94873	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	8/6/2008	200W	2704S	5
WC94903	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	8/21/2008	200W	222S	4D
WC94904	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	8/21/2008	200W	2713S	146A
WC94934	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/3/2008	RCHN	1979SNYDER	STE 130 ROOM 1
WC95063	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	RCHN	1979SNYDER	STE 130 C18
WC95066	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	200W	2713S	147U
WC95073	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	200W	2704S	14
WC95082	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	RCHN	1979SNYDER	130/7
WC95089	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	200W	2713S	146J
WC95100	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$839.85	9/11/2008	200W	2713S	129
WC95229	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	200W	2713S	139

WC95250	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	200W	2704S	27-B
WC95253	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	RCHN	1979SNYDER	SUITE 130 RM 5
WC95255	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,972.05	10/3/2008	RCHN	1979SNYDER	SUITE 130 RM 4
WC95258	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	200W	2713S	148N
WC95262	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	RCHN	1979SNYDER	STE 130 C13
WC95265	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	200W	2713S	140
WC95291	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/16/2008	200W	2713S	147M
WC95337	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	141
WC95349	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	222S	B1F
WC95361	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	148G
WC95364	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	148P
WC95366	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	147F
WC95371	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	146E
WC95375	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	2713S	146P
WC95376	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/15/2008	200W	222S	4M
WC95403	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$1,076.60	10/3/2008	200W	2713S	147X
WC95528	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/29/2008	200W	2713S	146B
WC95534	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/29/2008	200W	2713S	135
WC95553	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/29/2008	200W	2713S	147H
WC95556	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	10/29/2008	RCHN	1979SNYDER	SUITE 130 RM 11
WC95572	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	11/10/2008	200W	2713S	146G
WC95579	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	11/10/2008	200W	2713S	146D
WC95619	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$814.47	11/13/2008	200W	2713S	130B
WC95799	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2704S	27A
WC95802	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	147N
WC95804	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2704S	25
WC95816	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	222S	B1F
WC95820	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	146O
WC95821	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	146R
WC95830	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	146C
WC95851	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	147S

WC95854	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	RCHN	1979SNYDER	SUITE 130 C15
WC95862	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	200W	2713S	133
WC95880	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	1/16/2009	RCHN	1979SNYDER	SUITE 130 CUB C16
WC95937	COMPUTER	DELL COMPUTER	OPTIPLEX 755MT	1	$768.79	2/4/2009	RCHN	1979SNYDER	STE 130 RM 3
WC96174	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	3/11/2009	200W	2704S	26
WC96175	EXTERNAL HARD DRIVE	WESTERN DIGITAL	WDH1U3200N	1	$92.02	3/9/2009	200W	2704S	28
WC96197	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,528.78	3/13/2009	200W	222S	5A/B
WC96198	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,799.48	3/13/2009	RCHN	1979SNYDER	9
WC96978	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	4/15/2009	RCHN	1979SNYDER	SUITE 130 CUBE 19
WF11308	CAMCORDER	SONY	DCR-SR85	1	$599.00	5/7/2008	200W	2713S	146K
WF11449	PDA PHONE	BLACKBERRY	8310	1	$300.00	9/25/2008	1100	2355STEVENS	WHSE
WF13102	HARD DRIVE	WESTERN DIGITAL	MY BOOK	1	$114.00	8/3/2009	RCHN	1979SNYDER	SUITE 130 RM 7
WF13103	HARD DRIVE	WESTERN DIGITAL	MY BOOK	1	$114.00	8/3/2009	RCHN	1979SNYDER	STE 130 RM 4
WF16092	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	5/14/2009	200W	2704S	16
WF16291	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,765.64	5/18/2009	200W	2704S	28
WF16294	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,765.64	5/18/2009	200W	2713S	146L
WF16589	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	5/20/2009	200W	2713S	146I
WF16598	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	5/28/2009	200W	2713S	148M
WF18949	PDA PHONE	BLACKBERRY	9800 TORCH	1	$108.00	1/10/2011	200W	2704S	5
WF19030	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	6/20/2009	200W	2704S	8
WF19173	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,771.53	6/24/2009	200W	2704S	15
WF19971	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	7/29/2009	200W	2704S	26
WF19999	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	8/3/2009	200W	2713S	134
WF20132	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,771.53	9/17/2009	RCHN	1979SNYDER	9
WF20303	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	9/14/2009	200W	2713S	147J
WF20304	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	9/14/2009	200W	2713S	147I
WF20306	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	9/14/2009	200W	2713S	142
WF20307	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	9/14/2009	200W	2704S	7

WF20308	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$861.85	9/14/2009	200W	2713S	139
WF21219	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147D
WF21220	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147E
WF21221	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	146F
WF21222	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147B
WF21223	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147A
WF21224	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147C
WF21230	COMPUTER	DELL COMPUTER	OPTIPLEX 760MT	1	$900.76	1/20/2010	200W	2713S	147G
WF21542	LAPTOP	DELL COMPUTER	LATITUDE E6400	1	$1,832.44	3/10/2010	200W	2713S	136
WF21559	COMPUTER	DELL COMPUTER	OPTIPLEX 780MT	1	$904.99	3/15/2010	200W	2704S	28
WF21676	COMPUTER	DELL COMPUTER	OPTIPLEX 780MT	1	$904.99	4/10/2010	200W	2713S	147K
WF21677	COMPUTER	DELL COMPUTER	OPTIPLEX 780MT	1	$904.99	4/10/2010	200W	2713S	147H
WF23501	COMPUTER	DELL COMPUTER	OPTIPLEX 780MT	1	$935.20	10/22/2010	RCHN	1979SNYDER	SUITE 130 RM 2
WF25107	PDA PHONE	BLACKBERRY	9800 TORCH	1	$649.99	3/1/2011	200W	2713S	136
WF25108	PDA PHONE	BLACKBERRY	9800 TORCH	1	$649.99	3/1/2011	RCHN	1979SNYDER	STE 130 RM 4
WF25109	PDA PHONE	BLACKBERRY	9800 TORCH	1	$649.99	3/1/2011	RCHN	1979SNYDER	STE 130 ROOM 6
WF25623	SCANNER	FUJITSU	FI6770	1	$5,098.00	10/4/2010	200W	2713S	139
WF27349	PDA	BLACKBERRY	TORCH 9810	1	$55.00	2/21/2012	200W	2713S	140
WF28102	SMART PHONE	APPLE	IPHONE 5	1	$199.99	2/25/2013	200W	2704S	14
WF28310	SMART PHONE	APPLE	IPHONE 5	1	$649.99	7/1/2013	200W	2713S	134

ATTACHMENT J.9 - PERFORMANCE EVALUATION AND MEASUREMENT PLAN

DETAILED FEE PLAN

Total Award Fee Available – Contract Extension Year –
Months 62 through 74 (September 21, 2020 – September 20, 2021)

Total Award Fee Available [1]	$296,385.57

[1] The Total Award Fee available is calculated at 2.5% of contract price for applicable period.

Preface

The Fee Plan is developed as allowable by FAR 16.404, Fixed-price contracts with award fees. As further described in FAR See 16.401(e), award fee shall not be earned if the Contractor's overall performance in the aggregate is below satisfactory. The basis for all award-fee determinations shall be documented to determine if the aggregate performance is or is not at a satisfactory level. This determination and the methodology for determining the award fee are unilateral decisions made solely at the discretion of the Government.

The Government will provide quarterly feedback to minimize any potential unexpected evaluation(s). If the Contractor is under performing in a particular area, the PEMP shall be revised to reallocate fee to influence the Contractor's performance improvement in the under-performing area.

The Fee Plan supports the DOE Strategic Plan where the Agency Priority Goals for Management and Performance seeks to increase the focus on efficient and effective management across the DOE enterprise and improve performance in the areas of environmental cleanup (latest version, 2018). In particular, the Fee Plan supports continuing cleanup of radioactive and chemical waste resulting from the Manhattan Project and Cold War activities (Strategic Objective 8).

Incentives Award Fee Allocation Table

Incentive	Value (%)	Value ($)
Objective Fee		
1 - Delivery	20%	$59,277.11
2 - Evaluations/Proficiency Tests	20%	$59,277.11
3 - Maintain Holding Times	20%	$59,277.11
Total Objective Fee	60%	$177,831.33
Subjective Fee		
4 - Business Interfaces and Efficiency	14%	$41,493.98
5 - Analytical Reporting and Data Quality	8%	$23,710.85
6 - Environment, Safety, & Health	8%	$23,710.85
7 - Contract Transition	10%	$29,638.56
Total Subjective Fee	40%	$118,554.24
Total Award Fee Available	100%	$296,385.57

Evaluation Methodology for Incentives 1 Through 3

DOE will evaluate performance for Incentives 1 through 3 against the performance objectives specified below. The Contractor is eligible for the fee amount described in the corresponding performance target. These incentives shall be outcome-oriented and end-state driven to result in value to the government. In addition, the evaluation shall include objective fee reduction for unsatisfactory performance in any subjective performance area, including safety and health. Therefore, the performance targets are established at demanding thresholds with some risk assumed by the Contractor as effective motivation toward exceptional performance.

Descriptions and Evaluation Criteria for Incentive 1 through 3

Incentive 1 – Delivery					(See Section C.1.2.5)
Value (%):	20%	**Value ($):**	$59,277.11	**Due Date:**	09/20/2021
Performance Objective:	The Contractor will provide at a minimum 95% on-time delivery of analytical deliverables due to customers during this evaluation period.				
Performance Measures/ Surveillance Method:	This incentive will be measured by dividing the number of on-time analytical deliverables by the total number of analytical deliverables due to customers during this evaluation period.				
Performance Target	Eligibility for available award fee will be: Score % less than 80%, is not eligible for Fee Score % greater than or equal to 80% but less than 95%, for 50% of Fee Score % greater than or equal to 95% but less than 97%, for 75% of Fee Score % greater than or equal to 97%, is eligible for 100% of Fee				

Incentive 2 – Evaluations/Proficiency Tests					(See Section C.1.2.4)
Value (%):	20%	**Value ($):**	$59,277.11	**Due Date:**	09/20/2021
Performance Objective:	The Contractor shall maintain an overall average score of at least 95% for proficiency tests performed during the evaluation period.				
Performance Measures/ Surveillance Method:	This incentive will be measured by the percent of acceptable performance evaluation results of the total number of performance evaluation analyses performed.				
Performance Target:	Eligibility for available award fee will be: Score % less than 80%, is not eligible for Fee Score % greater than or equal to 80% but less than 95%, for 50% of Fee Score % greater than or equal to 95% but less than 97%, for 75% of Fee Score % greater than or equal to 97%, is eligible for 100% of Fee				

Incentive 3 – Maintain Holding Times					(See Section C.1.2.1)
Value (%):	20%	**Value ($):**	$59,277.11	**Due Date:**	09/20/2021
Performance Objective:	The Contractor will maintain holding time performance at greater than or equal to 95% of all samples received during this evaluation period.				
Performance Measures/ Surveillance Method:	This incentive will be measured by dividing the number of holding times met by the total number of samples received by the laboratory during this evaluation period.				
Performance Target:	Eligibility for available award fee will be: Score % less than 80%, is not eligible for Fee Score % greater than or equal to 80% but less than 95%, for 50% of Fee Score % greater than or equal to 95% but less than 97%, for 75% of Fee Score % greater than or equal to 97%, is eligible for 100% of Fee				

EVALUATION METHODOLOGY FOR INCENTIVES 4 THROUGH 7

DOE will evaluate performance for Incentives 4 through 7 against the desired outcomes specified below. The evaluation will assign a Numerical Rating of 0 to 100 and associated adjectival rating. The numerical ratings shall correspond to the Percent of Available Fee Earned awarded to each of these incentives as shown in the Ratings and Description Chart below. Ratings shall take into account whether Contractor performance (as opposed to other factors and conditions) directly contributed to the desired outcome.

As applicable, the Contractor shall:

- Demonstrate effective subcontract management, including award of subcontracts as scheduled, inclusion of all requirements, subcontractor audits, and subcontract administration. Contractor will monitor subcontractor performance to ensure compliance with all requirements including small business subcontracting plans, Buy American Act, and applicable labor statutes.
- Demonstrate effective use of domestic suppliers of PPE and achieving on-time delivery of PPE, as applicable.
- Demonstrate proactive communication with Corporate Official and parent companies to identify and resolve project issues early.

While Incentives 4 through 7 each have associated evaluation criteria and surveillance methods, DOE may consider other pertinent information in determining performance. DOE may not use all of the listed surveillance methods during any one evaluation period, but rather will select a subset of the listed surveillance methods appropriate to current priorities and concerns.

For Incentives 4 through 7, an adjectival rating below Good for total performance is a matter of concern to DOE-ORP. Although this rating represents satisfactory performance, it indicates significant room exists for improvement in quality of services delivered.

Descriptions and Evaluation Criteria for Incentive 4 through 7

Incentive 4 – Business Interfaces and Efficiency					
Value (%):	14%	**Value ($):**	$41,493.98	**Due Date:**	09/20/2021
Performance Objective:	The Contractor will maintain positive and effective relationships with DOE and interface partners.				
Award Fee Evaluation Criteria:	• Negotiations with interface partners are carried out in a spirit of cooperation and transparency. This may include the timely submission of requests for additional data, timely counteroffers, and conveying a positive and professional attitude. • Risk-based implementation of scope requirements for improving cost effectiveness while maintain commensurate level of safety, quality, and security. • Effective management and resolution of uncertainties relating to the analytical production. This may include sample delivery (variation in schedule and composition), facility outages, reliability of the 222-S complex (building and analytical instrumentation), analytical software availability, and Stop Work declarations for health and safety concerns. • Support the DFLAW Program to allow DOE to achieve successful start-up and commissioning of DFLAW. This may include identifying and addressing technical and/or operational gaps and issues that will impact DFLAW operations				
Surveillance Method:	• Validate Contractor claims of viable reductions in use of government-furnished property, materials, and services. • Check alignment between the sample receipt schedules shown in Service Level Agreements and the corresponding actuals. • Verify Contractor cost estimating procedures for reasonableness and correct use for Non-TOC customers. • Note the frequency with which inter-Contractor disputes are elevated to DOE for resolution. • Note the frequency with which uncertainties relating to analytical production are elevated to DOE for resolution • Performance and/or completion of DFLAW-related prerequisites • Note effective coordination and integration within the DFLAW Program team to include providing performance indicators and metrics.				

Incentive 5 – Analytical Reporting and Data Quality		
Value (%): 8%	**Value ($):** $23,710.85	**Due Date:** 09/20/2021
Performance Objective:	The Contractor will deliver a high-quality product that meets Customer needs and provides maximum value to the Hanford site cleanup mission.	
Award Fee Evaluation Criteria:	• Quality of reporting measured by issues identified through customer feedback which includes: review comment records, complaints, and requests for revised or corrected reports. • The number and seriousness of quality issues associated with analytical data and the effectiveness and speed with which they are resolved. • Appropriateness of sample archival and sample preservation activities to meet customer and site needs. • Effective implementation of compliant QA processes including a proactive QA assessment and evaluation program.	
Surveillance Method:	• Solicit input from customers on the quality of Contractor analytical services. • Consider review comment records, complaints, and requests for revised and corrected reports. • Check sample archiving to determine whether appropriate protocols are being observed for sample preservation. • Observe Laboratory activities and note any procedural non-compliances. • Audit the Contractor's QA program.	

Incentive 6 – Environment, Safety, & Health					
Value (%):	8%	**Value ($):**	$23,710.85	**Due Date:**	09/20/2021
Performance Objective:	The Contractor integrates environment, safety, and health (ES&H) requirements and controls into all work activities at the company, facility, and activity level. Workers are protected and are encouraged to raise ES&H concerns without fear of retaliation.				
Award Fee Evaluation Criteria:	• Issue identification is encouraged, and tracked in an issues management system. Resolution is timely, effective, and prevents negative impact to personnel safety. • Clear, timely, and effective communication to workers about hazards and avenues available for raising safety and health concerns. • Actions and plans by Contractor management and its workforce to continuously improve ES&H and safety culture. • Prompt and accurate reporting on work-related injuries, illnesses, and exposures among Contractor employees. • Effectiveness of processes defined in the Contractor's Integrated Safety Management System. • Demonstration of sound environmental compliance, stewardship and sustainability • Compliance with requirements for management of chemicals.				

Surveillance Method:	• Monitor Contractor compliance with ES&H regulations. • Note the number and seriousness of any ES&H non-compliances, infractions, or violations and the timeliness and quality of related reporting and responses. • Review the Contractor's VPP/Safety Improvement Plan, Performance Objectives, Measures, and Commitments (POMC), and their completion status. • Monitor Management response to and reporting of worker injuries, illnesses, and exposures, including any corrective actions. • Review the results of any safety culture surveys and assessments (internal and external) of Contractor staff performed during the evaluation period. • Observe communications with workers to see whether ES&H messages are consistent and effective. • Note particular instances of demonstrated environmental stewardship and sustainability • Observe waste management and chemical management practices and note any non-compliances with procedures and environmental regulations.

Incentive 7 – 222-S Lab Contract Transition					
Value (%):	10%	**Value ($):**	$29,638.56	**Due Date:**	09/20/2021
Performance Objective:	Conduct a smooth transition of full responsibility to execute the 222-S Laboratory Analysis and Testing Services (LA&TS) Contract to the new 222-S Laboratory Contract that maintains continuity of operations and avoids or minimizes disruptions to accomplish the DOE-ORP mission.				
Award Fee Evaluation Criteria:	• Immediate engagement with the new 222-S Laboratory Contractor upon contract award. • Weekly meetings (at a minimum) with the designated ORP transition team and the new 222-S Laboratory Contractor to ensure seamless transition. • Adherence to the DOE-approved Transition Plan. • Transition Completion Criteria that documents transition verification checklists between ORP, the LA&TS Contractor, and the new 222-S Laboratory Contractor that confirms all transition activities are complete to the satisfaction of each party.				
Surveillance Method:	• Solicit other Hanford Contractors input on the effectiveness of Contractor support in transition to the new 222-S Laboratory Contractor. • Review transition verification checklists to confirm completion of transition. • Review Contractor self-assessments of transition to the new 222-S Laboratory Contractor. • Note the effectiveness and engagement of the contract transition				

RATINGS AND DEFINITIONS CHART

Adjectival Rating: Excellent			(corresponding to Numerical Rating)
Assigned Numerical Rating	91 to 100	**Percentage of Award Fee Earned**	91% to 100%
Contractor has exceeded almost all of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.			

Adjectival Rating: Very Good			(corresponding to Numerical Rating)
Assigned Numerical Rating	76 to 90	**Percentage of Award Fee Earned**	51% to 75%
Contractor has exceeded many of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the criteria in the award-fee plan for the award-fee evaluation period.			

Adjectival Rating: Good			(corresponding to Numerical Rating)
Assigned Numerical Rating	51 to 75	**Percentage of Award Fee Earned**	0% to 50%
Contractor has exceeded some of the significant award-fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate as defined and measured against the award-fee plan for the award-fee evaluation period.			

CONTRACTOR PERFORMANCE EVALUATION REPORT

Calculations: For Incentives 1 through 3, percent of fee earned is calculated according to the instructions provided in each incentive's description and applied to the corresponding value in the Incentives Award Fee Allocation table. For Incentives 4 through 7, the assigned rating is converted to a percent according to the Ratings and Definitions Chart and then multiplied by the value provided in the Incentives Award Fee Allocation Table. Fees for the seven incentives are summed to produce the total fee earned. A sample evaluation form is shown:

Period: Date of Report:

Contract No: Contractor:

Board Members:

Total Award Fee Available .....

Incentive	Score	Percent of Fee	Amount of Fee
1 – Delivery			
2 – Evaluation/Proficiency Tests			
3 – Maintain Holding Times			
Incentives 1 through 3 Subtotal			
4 – Business Interface and Efficiency			
5 – Analytical Reporting and Data Quality			
6 – Environment, Safety, & Health			
7 – Contract Transition			
Incentives 4 through 7 Subtotal			
Total Fee Earned			

Chairperson Signature **Date Signed**

ATTACHMENT J.10 - EXECUTED PERFORMANCE GUARANTEE AGREEMENT

[Not Applicable]

ATTACHMENT J.11 - ACRONYM LIST

Acronym	Description
ABCASH	Automated Bar Coding of All Samples at Hanford
ADR	Alternative Dispute Resolution
AEA	Alpha Energy Analyzers
AFB	Award Fee Board
ASME	American Society of Mechanical Engineers
ASTC	Analytical Services Testing Contractor (Same as Laboratory Analytical Services and Testing Contractor (LAS&T)
BMS-OTM	Overtime Management System
CAIRS	Computerized Accident/Incident Reporting System
CCR	Central Contractor Registration
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
CLIN	Contract Line Item Number
CIAC	Cyber Incident Advisory Capability
CITS	Chemical Inventory Tracking System
CO	Contracting Officer
COR	Contracting Officer Representative
CPARS	Contractor Performance Assessment Reporting System
CRD	Contractor Requirements Document
DEAR	Department of Energy Acquisition Regulation
DOE	Department of Energy
DOL	Department of Labor
DPLH	Direct Productive Labor Hours
DSA	Documented Safety Analysis
DSC	Differential Scanning Calorimeters
EEO	Equal Employment Opportunity
EEOICPA	Energy Employees Occupational Illness Compensation Program Act
ECP	Employee Concerns Program
EFT	Electronic Funds Transfer

EMS	Environmental Management System
EMCBC	Environmental Management Consolidated Business Center
EJTA	Employee Job Task Analysis
EPA	Environmental Protection Agency
ERISA	Employee Retirement income Security Act
FAPIIS	Federal Awardee Performance and Integrity Information System
FAR	Federal Acquisition Regulation
FDO	Fee Determining Official
FP	Fixed Price
FOCI	Foreign Ownership, Control, or Influence
FNVA	Foreign National Visits and Assignments
GAO	Government Accountability Office
GC/MS	Gas Chromatograph/Mass Spectrometers
GEA	Gamma Energy Analyzers
GFE	Government Furnished Equipment
GFP	Government Furnished Property
GSA	General Services Administration
GSP	Graded Security Protection
HAZQARD	Hanford Analytical Services Quality Assurance Requirements Document
HEIS	Hanford Environmental Information System
HEWT	Hanford Employee Welfare Trust
HGET	Hanford General Employee Training
HISI	Hanford Information Systems Inventory
HLAN	Hanford Large Area Network
HSPP	Hanford Site Pension Plan
HSSP	Hanford Site Savings Plans
HTML	Hyper Text Markup Language
IC	Ion Chromatographs
IDMS	Integrated Document Management System
ICD	Interface Control Documents
IG	Inspector General
IH	Industrial Hygiene
ICP/MS	Inductively Coupled Plasma/Mass Spectrometer systems

Inc.	Incorporated
ISAP	Infrastructure and Services Alignment Plan
ISO	International Organization for Standardization
ITEM	Integrated Training Electronic Matrix
JV	Joint Venture
LA&TS	Laboratory Analysis and Testing Services
LAS&T	Laboratory Analytical Services and Testing Contractor
LIMS	Laboratory Information Management System
LLC	Limited Liability Corporation
LTS2	Laboratory Training System 2
MC&A	Material Control and Accountability
MBA	Material Balance Area
MOA	Memoranda of Agreement
MOU	Memoranda of Understanding
MSC	Mission Support Contractor
MSDS	Material Safety Data Sheets
NAICS	North American Industrial Classification System
NEPA	National Environmental Policy Act
NIOSH	National Institute for Occupational Safety and Health
NIST	National Institute of Standards and Technology
NQA	Nuclear Quality Assurance
NTP	Notice to Proceed
OCI	Organizational Conflict of Interest
OpEx	Operating Experience
OPEXShare	OPerating EXperience Sharing
OPSEC	Operations Security
ORFSC	Oak Ridge Financial Service Center
ORP	Office of River Protection
OSHA	Occupational Safety and Health Administration
OUO	Official Use Only
PE	Performance Evaluation
PEMP	Performance Evaluation Measurement Plan

PDF	Portable Document Format
PIDS	Property Information Data System
PIV	Personal Identity Verification
PMP	Pension Management Plan
PNNL	Pacific Northwest National Laboratory
POMS	Performance Objectives, Measurements, and Commitments
PPA	Pension Protection Act
PPIRS	Past Performance Information Retrieval System
PRC	Plateau Remediation Contractor
PROTRAX-ATL	Procedure Status Tracking
Pu	Plutonium
PWS	Performance Work Statement
RCW	Washington Revised Code
RFP	Request for Proposal
QA	Quality Assurance
QAP	Quality Assurance Program
QC	Quality Control
RCCC	River Corridor Closure Contract(or)
RCRA	Resource Conservation and Recovery Act
RL	Richland Operations Office
SAA	Satellite Accumulation Areas
SAM	System for Award Management
SAMS	Sunflower Asset Management System
SAS	Safety and Security
SBA	Small Business Administration
SCR	System Change Request
SEB	Source Evaluation Board
SECON	Security Conditions
SEM	Scanning Electron Microscopes
SES	Security and Emergency Services
SF	Standard Form
SLA	Service Level Agreement
SSO	Source Selection Official
Sr	Strontium

TFMSS	Tank Farms Material Service System
TGA	Thermal Gravimetric Analyzers
T&M	Time-and-Materials
TOC	Tank Operations Contractor
TPA	Third Party Administrator or Tri-Party Agreement
TRAINTRAX-222-S	Training Tracking System
TSR	Technical Safety Requirements
U.S.C	United States Code
VIPERS	Vendor Inquiry Payment Electronic Reporting System
WRPS	Washington River Protection Solutions
WASP	Workplace Substance Abuse Programs
WSCF	Waste Sampling and Characterization Facility
WSHP	Worker Safety and Health Plan
WTP	Waste Treatment Plant
90DAAs	90-Day Accumulation Areas

ATTACHMENT J.12 STAFFING PLAN

ATTACHMENT J.13 - HANFORD SITE DATA SYSTEMS

- Automated Bar Coding of All Samples at Hanford (ABCASH) system: Site wide application used to track sample data for air filters, soil samples and vegetation samples.

- Laboratory Training System 2 (LTS2): A training record database management tool for laboratory managers.

- Tank Farms Material Service System (TFMSS): Provides automated collection, statusing and reporting of materials utilized for projects by the TOC on the Hanford Site.

- Procedure Status Tracking (PROTRAX-ATL): Tracks the status of procedures, operator aids and standing orders for the 222-S Laboratory analytical services provider.

- Training Tracking System (TRAINTRAX-222-S): A training tracking system used by the 222-S Laboratory to interface with the ITEM database and track qualification cards.

- Overtime Management System (BMS-OTM): A business management system which tracks overtime hours for the Contractor's bargaining union personnel.

- Hanford Environmental Information System (HEIS): A site wide repository of environmental data and information collected during environmental monitoring.

- Chemical Inventory Tracking System (CITS): Site wide database that keeps track of all hazardous chemicals, their locations and quantities.

- OmniLIMS™: A laboratory information management system that accumulates analytical data directly from instruments and from manual input. It also includes tools for data reduction, conversion to proper electronic formats and report generation.

- OPEXShare (OPerating EXperience Sharing): This Web site contains Hanford related operating experience articles including Lessons Learned, Safety Bulletins, Recalls, and other types of information that can be used for preventing recurrence of events, and sharing of good work practices.

- Hanford Information Systems Inventory (HISI): Site wide database tracking controlled software that is safety significant.

- Integrated Document Management System (IDMS): Hanford Site approved electronic records management tool.

- Integrated Training Electronic Matrix (ITEM): Site-wide system used to track training.

- Material Safety Data Sheets (MSDS) System: Site wide database used for retrieving Material safety data sheets for chemicals used by Hanford contracts.

- System Change Request (SCR): The SCR system maintains and stores work records for system development efforts.

- Sunflower Asset Management System (SAMS) Property Management Database.

- Computerized Accident/Incident Reporting System (CAIRS): a database for recording incidents involving injuries or requiring first aid.