

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1 6
2. AMENDMENT/MODIFICATION NO. 0337	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)
6. ISSUED BY Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601	7. ADMINISTERED BY (if other than Item 6) Richland Operations Office U.S. Department of Energy Richland Operations Office P.O. Box 550, MSIN A7-80 Richland WA 99352	CODE 00601
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M HILL PLATEAU REMEDIATION COMPANY Attn: Roger Corman 2420 Stevens Center Place Richland WA 99354-1659		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 805603128	FACILITY CODE	X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-08RL14788	10B. DATED (SEE ITEM 13) 06/19/2008

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

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

**12. ACCOUNTING AND APPROPRIATION DATA (if required)**

See Schedule

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

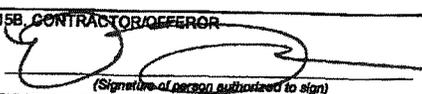
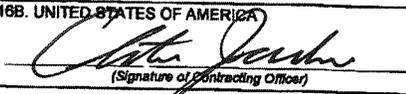
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: I.102, FAR 52.243-2, Changes-Cost Reimbursement
	D. OTHER (Specify type of modification and authority)

**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 definitize change proposal CP 013 236 1429 submitted to RL by CHPRC on February 3, 2014, (CHPRC-1305150A R1) entitled "310 RETENTION TRANSFER FACILITY TRANSITION TO WASHINGTON CLOSURE HANFORD LLC, CHANGE ORDER NUMBER 236." Contract Revisions are detailed on Page 2 of this modification.  
Period of Performance: 06/19/2008 to 09/30/2018

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

15A. NAME AND TITLE OF SIGNER (Type or print) Vicki M. Bogenberger, CHPRC Vice President and CFO	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Clinton M. Jacobsen
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 5/21/14
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 5/27/14

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**SF30 BLOCK 14 CONTINUATION:**

**B. The following changes are made to the contract as shown below in items 1-5 (affected pagination changes are not itemized in this modification but will show in the conformed copies of the contract):**

**1. Changes to Section C.2.3, Solid and Liquid Waste Treatment and Disposal, to remove the 310 Treated Effluent Disposal Facility (TEDF) from contract scope:**

Background:

Solid and liquid waste stabilization and disposition activities are performed in the following facilities:

- T Plant Complex;
- Central Waste Complex (CWC);
- Waste Receiving and Processing Facility (WRAP);
- Low Level Burial Grounds (LLBGs);
- Environmental Restoration and Disposal Facility (ERDF);
- Integrated Disposal Facility (IDF);
- Waste Encapsulation and Storage Facility (WESF);
- Canister Storage Building (CSB)/200 Area Interim Storage Area (ISA);
- 200 Area Liquid Waste Processing Facilities – Effluent Treatment Facility (ETF), Liquid Effluent Retention Facility (LERF), 200 Area Treated Effluent Disposal Facility (TEDF), State Approved Land Disposal Site (SALDS); and
- ~~310 Treated Effluent Disposal Facility (TEDF).~~

**2. Changes to Section C.2.3.5, Liquid Waste Treatment and Disposal, to remove the 300 Area liquid effluent treatment facilities from contract scope):**

**C.2.3.5 Liquid Waste Treatment and Disposal**

General Scope:

The Contractor shall receive, treat and dispose of liquid wastes in accordance with applicable waste acceptance and discharge permit requirements.

Detailed Scope and Requirements:

The Contractor shall maintain the 200 Area liquid waste processing facilities as described in the auditable safety analysis in a ready-to-serve status, which provides the capability to receive, treat, and dispose of liquid effluents consistent with the waste acceptance criteria and the discharge criteria. If directed by the Contracting Officer, the

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Contractor shall transition the 200 Area liquid waste processing facilities to the Tank Operations Contractor.

~~The Contractor shall maintain the following 300 Area liquid effluent treatment facilities in a ready-to-serve status. These facilities shall be operated in a manner that provides the capability to receive, treat, and dispose of liquid effluents consistent with the waste acceptance criteria and the National Pollution Discharge Elimination System permit:~~

- ~~• 310 Treated Effluent Disposal Facility (TEDF);~~
- ~~• 340 Facility;~~
- ~~• 307 Retention Basins;~~
- ~~• 342 Collection Sump Facility; and~~
- ~~• Supporting infrastructure.~~

~~The Contractor shall maintain the 310 TEDF consistent with the 300 Area TEDF Inventory at Risk Calculations. If directed by the Contracting Officer, he Contractor shall transition 300 Area liquid effluent treatment facilities to the RCGC.~~

The Contractor shall receive liquid waste that meets applicable waste acceptance criteria.

The Contractor shall treat and dispose of liquid waste in accordance with applicable regulations, DOE directives, and discharge permits.

The Contractor shall:

- Receive additional liquid wastes that meet waste acceptance criteria from other waste generators for treatment.
- Receive waste for disposal from other generators only with prior DOE approval.
- Coordinate with other waste generators, and develop/update a service provider approach (including regulatory, technical, contractual, and other required features).

The proposed waste volume projections and service provider approach shall be subject to periodic DOE review and approval.

**3. Changes to the second paragraph of Section C.2.3.14, Facility Management, to remove the 300 Area Liquid Effluent Treatment Facilities from contract scope:**

The Contractor shall operate the following facilities in a safe, compliant, energy-efficient, and cost effective manner:

- T Plant Complex;
- Central Waste Complex (CWC);
- Waste Receiving and Processing Facility (WRAP);

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- Low Level Burial Grounds (LLBGs);
- Integrated Disposal Facility (IDF);
- Waste Encapsulation and Storage Facility (WESF);
- Canister Storage Building (CSB)/200 Area Interim Storage Area (ISA);
- 200 Area Liquid Waste Processing Facilities – Effluent Treatment Facility (ETF), Liquid Effluent Retention Facility (LERF), 200 Area Treated Effluent Disposal Facility (TEDF), State Approved Land Disposal Site (SALDS); and
- ~~300 Area Liquid Effluent Treatment Facilities.~~

**4. Changes to Section J.13, Hanford Site Structures List, to move the following structures from CHPRC to WCH:**

310S	Drum Storage Area 300 TEDF	300	<del>WCH</del> CHPR €
310T1	Equalization Tank T1-TEDF	300	<del>WCH</del> CHPR €
310T2	Diversion Tank T2 - TEDF	300	<del>WCH</del> CHPR €
310T3	Diversion Tank T3 - TEDF	300	<del>WCH</del> CHPR €
310V	Valve Vault TEDF	300	<del>WCH</del> CHPR €
342	300 Area TEDF Waste Collection Sump	300	<del>WCH</del> CHPR €
342A	300 Area TEDF Electrical / Instrumentation Bldg	300	<del>WCH</del> CHPR €
342B	300 Area TEDF Transformer Pad / Vault	300	<del>WCH</del> CHPR €
342C	300 Area TEDF Generator Pad	300	<del>WCH</del> CHPR €

**5. Changes to Section J.3, Hanford Site Services and Interface Requirements Matrix, to remove the 300 Area liquid effluent treatment facilities from the list:**

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 RGCC 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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C. Based on negotiations of CHPRC’s cost proposal CP 013 236 1429, 310 Retention Transfer System Facility Transition to the Washington Closure Hanford LLC, the below negotiated changes to contract cost and fee are hereby established:

	<u>Added Work</u>	<u>Deleted Work</u>	<u>Net Change</u>
Cost:	\$ 140,013.00	\$ -624,443.00	\$ -484,430.00
Fee:	\$ 289.00	\$ -27,152.00	\$ -26,864.00
Total:	<u>\$ 140,302.00</u>	<u>\$ -651,595.00</u>	<u>\$ -511,294.00</u>

D. The negotiated net change to contract cost \$-484,430 will be deleted from Contract Section B, Table B.4-1, on the line item titled “CLIN 3 Estimated Contract Cost” and will be allocated over fiscal years 2014 through 2018 as shown in the table below:

FY 2014	FY 2015	FY2016	FY2017	FY2018
\$78,125	\$-131,444	\$-135,526	\$-146,578	\$-149,007

E. The net change to contract Fee \$-26,864 will be deleted from Contract Section B, Table B.4-1, on the line item titled “Available Fee” and will be allocated over fiscal years as shown in the table below:

FY 2014	FY 2015	FY2016	FY2017	FY2018
				\$-26,864

F. Replacement Contract pages B-7 and B-8 are attached to this modification as Attachment 1.

G. This modification does not change the total amount of available funds on this contract.

H. Contractor Statement of Release: In consideration of the modification agreed to herein as complete equitable adjustment for CHPRC Change Proposal CP 013 236 1429, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustment attributable to such facts or circumstances giving rise to CHPRC Change Proposal CP 013 236 1429.

I. There are no other changes to the terms and conditions of the contract. End of Modification 337

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Section B  
Modification 337

Table B.4-1, Contract Cost and Contract Fee							
Contract Period	Element	FY 2008					
Transition Period	Estimated Contract Cost	\$3,307,735					
Base Period		FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Total Base Period
CLIN 1	Estimated Contract Cost	\$264,907,169	\$194,150,760	\$199,658,737	\$191,649,688	\$192,616,918	\$1,042,983,272.09
CLIN 2	Estimated Contract Cost	\$64,388,719	\$45,606,756	\$26,441,959	\$68,039,035	\$53,219,749	\$257,696,218
CLIN 3	Estimated Contract Cost	\$93,042,127	\$88,062,385	\$96,403,918	\$66,781,356	\$129,232,811	\$473,522,598
CLIN 4	Estimated Contract Cost	\$0	\$0	\$0	\$0	\$0	\$0
CLIN 5	Estimated Contract Cost	\$69,188,987	\$77,325,292	\$104,808,485	\$83,428,750	\$34,029,971	\$368,781,486
Total Base Period	Estimated Contract Cost	\$491,527,003	\$405,145,192	\$427,313,099	\$409,898,830	\$409,099,450	\$2,142,983,574
	Available Fee	\$22,875,910	\$19,412,118	\$17,852,099	\$18,134,034	\$14,092,235	\$96,040,685
	Contract Price	\$514,402,913	\$424,557,310	\$445,165,198	\$428,032,863	\$423,191,684	\$2,239,024,258
CLIN 6	Estimated Contract Cost	\$158,591,307	\$554,872,119	\$574,791,707	\$18,789,227	\$0	\$1,307,044,360
Total Recovery Act	Estimated Contract Cost	\$158,591,307	\$554,872,119	\$574,791,707	\$18,789,227	\$0	\$1,307,044,360
	Available Fee	\$3,771,414	\$15,852,276	\$52,847,425	\$0	\$0	72,471,115
	Contract Price	\$162,362,721	\$570,724,395	\$627,639,132	\$18,789,227	\$0	\$1,379,515,475
Total Base Period including Recovery Act	Estimated Contract Cost	\$650,118,310	\$960,017,310	\$1,002,104,807	\$428,688,057	\$409,099,450	\$3,450,027,934
	Available Fee	\$26,647,324	\$35,264,395	\$70,699,523	\$18,134,034	\$14,092,235	\$168,511,800
	Contract Price	\$676,765,634	\$995,281,705	\$1,072,804,330	\$446,822,090	\$423,191,684	\$3,618,539,733
Option Period		FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	Total Option Period
CLIN 1	Estimated Contract Cost	\$198,341,102	\$202,076,163	\$204,359,542	\$202,458,152	\$181,704,243	\$988,939,202
CLIN 2	Estimated Contract Cost	\$54,888,220	\$47,340,956	\$18,594,618	\$0	\$0	\$120,823,794
CLIN 3	Estimated Contract Cost	\$145,042,267	\$146,372,323	\$164,932,609	\$122,153,356	\$132,593,805	\$711,094,360
CLIN 4	Estimated Contract Cost	\$0	\$0	\$6,100,299	\$20,366,263	\$17,059,249	\$43,525,811
CLIN 5	Estimated Contract Cost	\$33,345,793	\$32,605,226	\$46,592,653	\$18,610,813	\$18,964,074	\$150,118,559
Total Option Period	Estimated Contract Cost	\$431,617,382	\$428,394,668	\$440,579,720	\$363,588,583	\$350,321,372	\$2,014,501,725
	Available Fee	\$13,315,000	\$11,368,400	\$12,000,000	\$10,761,950	\$12,513,136	\$59,958,486
	Contract Price	\$444,932,382	\$439,763,068	\$452,579,720	\$374,350,533	\$362,834,508	\$2,074,460,212
Total: Transition, Base & Option Periods	Total Contract Cost	\$5,467,837,394					
	Total Available Fee	\$228,470,286					
	Total Contract Price	\$5,696,307,680					

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Section B  
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Table B.4-2, Deferred Work		
CLIN 7	Total Contract Cost	\$1,274,470,681
	Total Available Fee	\$45,840,135
Total: Base & Option Periods	Total Contract Price	\$1,320,310,816

TOTAL ESTIMATED VALUE		
All CLINs Total: Base & Option Period and Deferred Work	Total Estimated Cost	\$6,742,308,075
	Total Estimated Fee	\$274,310,421
	Total Contract Value	\$7,016,618,496

## B.5 CHANGES TO CONTRACT COST AND CONTRACT FEE

### (a) Funding.

- (1) DOE intends to obligate funding to the Contract in accordance with the *Contract Price* shown by fiscal year in Table B.4-1, *Contract Cost and Contract Fee*. The Contractor shall not be entitled to an equitable adjustment to *Available Fee* if the obligated funding by fiscal year is within 10% of the amount shown in Table B.4-1.
- (2) If DOE does not obligate funding within the parameters detailed in paragraph (a)(1) above, the Contracting Officer may initiate a change or consider a request for an equitable adjustment to the *Contract Price*, and/or Schedule in accordance with the Section I Clause entitled, *FAR 52.243-2, Changes – Cost Reimbursement, Alternates II, III, and IV*.

### (b) Performance Risk.

- (1) Changes to *Total Available Fee* will accurately reflect the corresponding changes to the Contract with respect to performance risk as determined by DEAR 915.404-4-70, *DOE Structured Profit and Fee System*, and implementation by the profit-analysis factors defined in FAR 15.404-4, *Profit*. Accordingly, changes to the Contract resulting in an increase or decrease to the Contractor's performance risk as defined in FAR 15.404-4(d)(1), shall cause a proportionate increase or decrease to the *Total Available Fee*.
- (2) If performance risk changes, the Contracting Officer may initiate a change or consider a request for equitable adjustment to *Contract Price* and/or Schedule in accordance with the Section I Clause entitled, *FAR 52.243-2, Changes – Cost Reimbursement, Alternates II, III, and IV*.

**PART I – THE SCHEDULE**  
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## C.1 PLATEAU REMEDIATION CONTRACT (PRC) OVERVIEW AND GENERAL REQUIREMENTS

### C.1.1 Background

The 586-square-mile Hanford Site is located along the Columbia River in southeastern Washington State (illustrated in Figure C.1-1). A plutonium production complex with nine nuclear reactors and associated processing facilities, Hanford played a pivotal role in the nation's defense for more than 40 years, beginning in the 1940s with the Manhattan Project. Today, under the direction of the U.S. Department of Energy (DOE), Hanford is engaged in the world's largest environmental cleanup project, with a number of overlapping technical, political, regulatory, financial and cultural issues.

Challenges at the Hanford Site include approximately 53 million gallons of radioactive and chemically hazardous waste in 177 underground storage tanks (seven of which have been emptied), ~2,300 tons (~2,100 metric tons) of spent nuclear fuel, ~11.5 tons (~10.5 metric tons) of plutonium in various forms, ~25 million cubic feet (750,000 cubic meters) of buried or stored solid waste, and groundwater contaminated above drinking water standards, spread out over about 80 square miles (208 square kilometers), approximately 1,600 waste sites of which 1,180 remain to be remediated and approximately 1,450 facilities of which about 400 are contaminated (as of September 2005).

In May 1989, DOE, the U.S. Environmental Protection Agency, and the State of Washington Department of Ecology signed the landmark Hanford Federal Facility Agreement and Consent Order, commonly known as the Tri-Party Agreement (TPA). The TPA outlines legally enforceable milestones for Hanford cleanup over the next several decades.

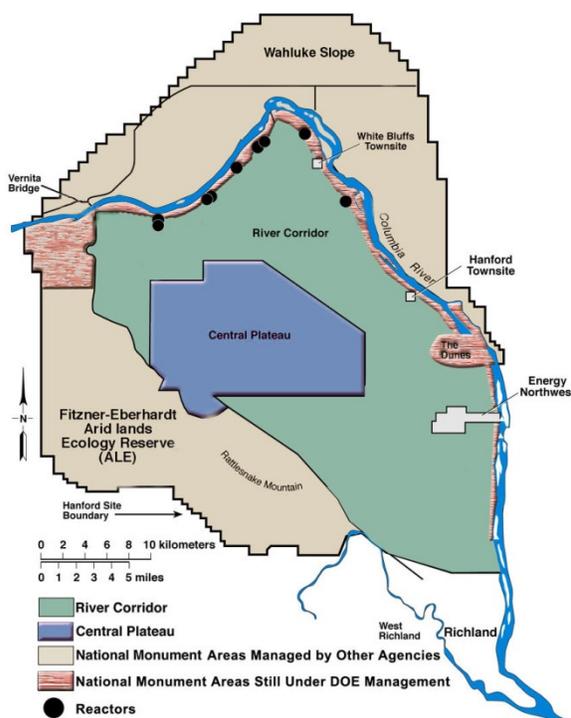


Figure C.1-1  
Hanford Site

DOE has two Federal offices at Hanford, whose mission is environmental cleanup -- the DOE Richland Operations Office (DOE-RL), which is responsible for nuclear waste and facility cleanup, and overall management of the Hanford Site; DOE-RL's mission is to restore the Columbia River corridor and transition the Hanford Central Plateau. The DOE Office of River Protection (DOE-ORP), which is responsible for cleanup of Hanford Site tank waste; DOE-ORP's mission is to retrieve and treat Hanford's tank waste and close the tank farms to protect the Columbia River. Each Office oversees separate contracts held by private companies. For purposes of this Contract, the land, facilities, property, projects and work performed and overseen by DOE-RL and DOE-ORP constitute the "Hanford Site." The following is a description of the DOE prime contracts at the Hanford Site and their workscope:

#### Contracts Managed by DOE-ORP

- Hanford Analytical Services Contract provides analysis of highly radioactive samples in support of Hanford Site projects. These services are performed in the 222-S Laboratory Complex located in the 200 Area of the Hanford Site.
- Tank Operations Contract (TOC), when awarded, will include operations and construction activities necessary to store, retrieve and treat Hanford tank waste, store and dispose of treated waste, and begin to close the tank farm waste management areas to protect the Columbia River.
- Tank Farm Management Contract (TFC) includes operations and construction activities necessary to store, retrieve and treat Hanford tank waste and store and dispose of treated waste. This scope will be included in the TOC when it is awarded.
- Waste Treatment and Immobilization Plant (WTP) Contract includes design, construction and commissioning of a vitrification facility that will convert radioactive tank wastes into glass logs for long-term storage. The WTP is being constructed on the Hanford Site Central Plateau.

#### Contracts Managed by DOE-RL

- Energy Savings Performance Contract (ESPC) includes steam service to support heating and other operations at 200 Area facilities. The contract may include energy conservation measures, such as upgrading lighting systems, pumping systems, automation systems, heating, ventilation, and air conditioning system; and adding utility monitoring and control systems.
- Hanford Site Occupational Medical Services Contract provides occupational health services to personnel at Hanford including medical monitoring and qualification examinations, human reliability testing, and records management.
- Plateau Remediation Contract (PRC), when awarded, will include completion of the Plutonium Finishing Plant (PFP) project; non-tank farm waste disposal activities: groundwater monitoring and remediation; facility and waste site characterization, surveillance and maintenance, regulatory document preparation, and remediation. The contract also includes options to remediate facilities and waste sites.

- Mission Support Contract (MSC), when awarded, will provide DOE-RL, DOE-ORP, and their contractors with the infrastructure and site services necessary to accomplish the Site mission.
- Project Hanford Management Contract (PHMC) includes cleanup and support activities, with the exception of DOE-ORP scope, at the Hanford Site. This scope will be included in the MSC and the PRC, when the contracts are awarded.
- River Corridor Closure Contract (RCCC) includes closing the Hanford Site River Corridor through deactivation, decontamination, decommissioning, and demolishing excess facilities; placing former production reactors in an interim safe and stable condition; remediating waste sites and burial grounds; and transitioning the River Corridor to long-term stewardship.

Another DOE Office -- the Pacific Northwest Site Office (PNSO), a component of the DOE Office of Science -- oversees the science and technology mission operated by the contractor-operated Pacific Northwest National Laboratory (PNNL). PNNL is an Office of Science multi-program laboratory that conducts research and development activities, including technology programs related to the Hanford cleanup mission.

In addition to the cleanup mission, DOE leases Hanford land to non-DOE entities, such as the Laser Interferometer Gravitational Wave Observatory (LIGO), and the State of Washington, which in turn leases the land to US Ecology, Inc., a private firm that operates the Hanford Site burial grounds for commercial low-level waste. DOE also leases land to Energy Northwest (a consortium of public utility companies) that oversees the Northwest's only operating commercial nuclear power reactor, the *Columbia Generating Station*. None of these operations is associated with the Federal cleanup work at Hanford.

### **C.1.2 Contract Purpose and Overview**

The purpose of this Contract is to continue the environmental cleanup of select portions of the Hanford Site. The Contractor has the responsibility for determining the specific methods and approaches for accomplishing the identified work. This Contract applies performance-based contracting approaches and expects the Contractor to implement techniques that emphasize safe, efficient, and measurable results.

### **C.1.3 Scope Summary**

The workscope for this Contract includes:

- *Plutonium Finishing Plant (PFP) Closure.* Provide safe and compliant storage of special nuclear material (SNM) at PFP until it has been removed from the PFP complex; operate and maintain the PFP facilities and associated waste sites, structures, operating systems and equipment, and monitoring systems in a safe, compliant, and energy-efficient manner within the authorization envelope; maintain radiological control and access control to ensure personnel safety; remove SNM from PFP and transport to an assigned location; demolish PFP complex facilities to slab-on-grade condition; and prepare, package, and disposition waste streams, as required.

- *Waste Treatment and Disposal.* Perform activities necessary for safe and secure underwater storage of cesium and strontium capsules, and storage of spent nuclear fuels (SNF); liquid waste storage and treatment; waste storage and disposal; low-level waste (LLW) and mixed low-level waste (MLLW) treatment; transuranic (TRU) waste certification support; waste retrieval; TPA Milestone M-91 upgrades to T Plant; and overall facility operations.
- *Groundwater/Vadose Zone Project.* Perform groundwater and ecological sampling and monitoring, well installation, well maintenance, borehole logging, on-going/new remedy operations, and well decommissioning.
- *Facility and Waste Site Minimum-Safe/Surveillance and Maintenance (S&M).* Perform activities necessary for Hanford Site structures and waste sites identified in the Section J Attachment entitled, *Supplemental Work Description Tables*.
- *Fast Flux Test Facility.* Maintain FFTF in a safe and compliant manner and perform near-term shutdown activities.
- *Geographical Zone Remediation.* Remediate and close U Plant and Non-Radioactive Dangerous Waste Landfill (NRDWL)/BC Control geographical zones.
- *Groundwater, Soil, and Facility Regulatory Decision/Other Documents.* Characterize assigned waste sites and facilities, complete analysis of remediation options, and prepare required regulatory and other decision documents necessary to implement remedial actions.
- *100 K Area.* Maintain 100K Area in a safe and compliant manner; dewater K East Basin; demolish K East Basin and superstructure; complete procurement, construction, and acceptance testing of the K Basin Sludge Treatment System; treat the balance of K Basin sludge; dewater K West basin, demolish K West basin and superstructure; place K East and K West reactors in an Interim Safe Storage (ISS) configuration; and remediate and close the remainder of the 100K Area.
- *618-10 and 618-11 Burial Grounds.* Initiate and complete field remediation and other waste disposition activities for the 618-10 and 618-11 burial grounds.

In addition to the above activities, the PRC may also perform (on a funding available basis):

- Remediation and closure of other specified geographical zones;
- Transfer of cesium and strontium capsules from Waste Encapsulation and Storage Facility (WESF) to dry storage;
- Operation of the Environmental Restoration Disposal Facility (ERDF).
- Design of the Fuel Preparation Facility; and
- Design and construction of alternate TRUPACT loadout capability;

#### **C.1.4 Organization of the *Statement of Work***

This *Statement of Work* (SOW) is divided into five sections, with Section C.1 containing the background, contract purpose and overview, scope and organization of the *Statement of Work*; Section C.2, *Description of Project Performance Requirements*; Section C.3, *Description of Project Support Performance Requirements*; Section C.4, *Government-Furnished Services and Information*; and Section C.5, *Summary of Contract Deliverables*.

Additional scope reference information that supports this Section C, *Statement of Work*, is found in Section H Clauses and in the Section J, Attachments entitled, *Hanford Site Services and Interface Requirements Matrix* and *Supplemental Work Description Tables*.

## **C.2 DESCRIPTION OF PROJECT PERFORMANCE REQUIREMENTS**

The Contractor shall provide all personnel, facilities, equipment, materials, services, and supplies to complete the Contract workscope, except for the services and information identified as Government-Furnished Services and Information (GFS/I) and as stipulated in the matrix included in Section J Attachment entitled, *Hanford Site Services and Interface Requirements Matrix*.

The Contractor shall plan and perform the work under this Contract in accordance with the Section H Clause entitled, *Environmental Responsibility*, which requires compliance with current and future TPA milestones. In performance of this Contract, the Contractor shall comply with all applicable laws and regulations, DOE directives as identified in the Section J Attachment entitled, *Requirements Sources and Implementing Documents*.

### **C.2.1 Transition**

#### General Scope:

The Contractor shall transition all on-going workscope; transition any subcontract work that the Contractor elects (or is directed by DOE) to continue under an existing subcontract with an incumbent performer; complete workforce transition in accordance with the requirements of Section H, *Special Contract Requirements*; and deliver a completed *Transition Plan* and *Transition Agreements*.

#### Detailed Scope and Requirements:

The Contractor shall submit a *Transition Plan* for DOE approval (Deliverable C.2.1-1) that provides a description of all necessary transition activities, involved organizations, and transition schedule. The objectives of the *Transition Plan* are to prepare for implementation of the Contract and minimize the impacts on continuity of operations. The Contractor is responsible for performing due diligence to ensure that all transition activities are identified and completed during the Transition Period. The Contractor shall coordinate directly with the PHMC, RCCC, TFC, DOE, and others to finalize *Transition Agreements* and complete transition of all on-going work.

The Contractor shall develop the inter-contractor ordering and financial agreements that are necessary to support transition and Contract performance, and is responsible for the costs incurred or to be recovered under these agreements.

During the Transition Period, the Contractor shall identify any material differences in the systems, facilities, waste sites, property and services described in this *Statement of Work*, the tables in the Section J Attachment entitled, *Supplemental Work Description Tables*, and actual conditions at the end of the transition period. The Contractor shall prepare and submit a *Statement of Material Differences* (Deliverable C.2.1-2).

The Contractor shall conduct a joint reconciliation of the government property inventory with the predecessor contractor. This information shall be used to provide a baseline for the succeeding contract, as well as, information for closeout of the predecessor contract.

During the Transition Period and prior to assuming control and responsibility for Safeguards and Security (SAS) responsibilities, the Contractor shall be subject to a DOE SAS initial survey conducted in accordance with U.S. Department of Energy (DOE) Manual (M) 470.4-1, *Safeguards and Security Program Planning and Management*. The results of the survey shall be documented and form the basis for DOE authorization for the PRC to assume SAS responsibilities, in particular, responsibility for SNM. Following the survey, the Contractor shall assume responsibility for all applicable SAS resources, materials, facilities, documents, and equipment.

The Contractor shall:

- Coordinate directly with the other Hanford Site contractors to finalize the *Transition Agreement(s)* and complete transition of all on-going work;
- Develop the inter-contractor ordering and financial agreements that are necessary to support transition and Contract performance, and be responsible for the costs incurred under these agreements; and
- Submit final *Transition Agreement(s)* (Deliverable C.2.1-3) that includes the signatures of all Contractor transition parties.

The Contractor shall support DOE in-process verification of Contract transition, provide weekly written transition status reports (Deliverable C.2.1-4) to the DOE for information, and be accountable for all work performed under this Contract at the end of the Transition Period.

Prior to the completion of the Transition Period, DOE will provide workscope direction that will be in effect from initiation of the *Base Period* until DOE approval of the Contractor's initial *Performance Measurement Baseline* submittal.

## **C.2.2 Plutonium Finishing Plant Closure Project**

### Background:

From 1949 through early 1989, the Plutonium Finishing Plant (PFP) Complex was used to process plutonium nitrate solution into plutonium metal or oxide powder to support the nation's weapons production facilities or fabrication of mixed-oxide reactor fuel. DOE committed to demolish the PFP facility to 'slab-on-grade' by the end of fiscal year (FY) 2016.

The inventory of SNM at PFP has been converted to configurations suitable for shipment and/or storage. The plutonium materials packaged in compliance with DOE-STD-3013-2004 (3013), *Stabilization, Packaging, and Storage of Plutonium-Bearing Materials* are currently stored in vaults at PFP awaiting the DOE decision to ship to a DOE-approved facility for long-term storage and disposition. A decision is expected to be announced and shipping initiated prior to completion of Contract transition.

At the time of Contract transition, the predecessor contractor will have initiated de-inventory of the DOE-STD-3013-2004-compliant containers containing SNM to an off-site DOE-approved storage facility. Approximately 800 of these containers will remain to be de-inventoried.

Un-irradiated and slightly irradiated reactor fuel is also stored within the PFP Protected Area. This material is planned to be shipped to other DOE facilities by the end of fiscal year (FY) 2010 to allow a reduction in PFP security requirements and costs. Fuel inventory at the time of Contract transition includes 13 casks of un-irradiated fuel, 6 casks of slightly irradiated fuel, and miscellaneous sources and standards used for material shipments and decontamination and decommissioning (D&D). When plutonium and reactor fuel de-inventory is complete, there will be no need to maintain a Protected Area.

#### C.2.2.1 Maintain Safe and Secure Special Nuclear Material

##### General Scope:

The Contractor shall provide safe and compliant storage of the SNM inventory at PFP, including fuels, oxide, and metal packaged into DOE-STD-3013-2004-compliant containers; SNM sources and standards; and hold-up material within processing equipment and structures.

The Contractor shall maintain an SAS-approved boundary for the 2736-Z/ZB Vault Complex and comply with International Atomic Energy Agency (IAEA) safeguards requirements.

##### Detailed Scope and Requirements:

The Contractor shall:

- Manage Material Control and Accountability (MC&A), consistent with Section C.3.3.1, *Safeguards and Security* of this *Statement of Work*, including SNM custodial services, oversight, internal audits, tamper indicating device program, SNM vault management, and regularly scheduled or special inventories (e.g., bi-monthly, semi-annual, annual, etc.) for all remaining material balance areas (MBA);
- Provide facility access and information to MSC in support of the MC&A program;
- Perform DOE-STD-3013-2004-compliant container radiography surveillances (up to 50 per year or as otherwise directed by the DOE-STD-3013-2004 Integrated Surveillance Program), semi-annual sealed-source inspection dose rate measurements (number varies), and monthly container inspection for fuels;
- Provide facility access to MSC personnel to maintain all facility and plant essential SAS equipment, systems and/or instrumentation within the PFP complex;
- Comply with applicable documented safety analysis and authorization basis requirements;

- Perform surveillance of the PFP vault/storage complex, including nuclear process, radiation control, ventilation, and power related surveillances;
- Perform preventative maintenance to maintain equipment in accordance with designed operating conditions and to extend equipment life within the vault and associated rooms located in 2736-Z and 2736-ZB facilities;
- Perform maintenance and repair of stabilization and packaging equipment, as necessary to support D&D and any DOE-STD-3013-2004-compliant container repackaging; and
- Comply with IAEA requirements and agreements.

### **C.2.2.2 Maintain Safe and Compliant PFP**

#### General Scope:

The Contractor shall maintain worker/public health and safety in accordance with applicable regulations during all stages of the closure project.

#### Detailed Scope and Requirements:

The Contractor shall maintain the PFP Complex facilities in a safe, compliant, and energy-efficient condition while deactivation and demolition activities are being performed.

The Contractor shall upgrade systems and equipment in order to maintain a safe and compliant facility. The Contractor shall complete projects for building occupancy, as necessary. Major upgrades currently planned include:

- Switchgear, Breaker, Electrical Upgrades;
- Sanitary Water Upgrades;
- Instrument Air Compressor Upgrades;
- Fire Protection System Upgrades, and
- Exhaust Fan #4 Upgrades.

### **C.2.2.3 Disposition Special Nuclear Material**

#### General Scope:

The Contractor shall complete the disposition of SNM and nuclear fuel inventory stored at the PFP Complex in a manner compliant with the Design Basis Threat protection strategy.

#### **C.2.2.3.1 3013 Container De-Inventory**

#### General Scope:

The Contractor shall de-inventory the approximately 800 remaining DOE-STD-3013-2004-compliant containers containing SNM to an off-site DOE-approved storage facility. The Contractor shall maintain packaging and loading capabilities to support de-inventory activities, and maintain the DOE-STD-3013-2004-compliant container database and other necessary documentation.

Detailed Scope and Requirements:

The Contractor shall:

- Prepare and present shipper/receiver agreement documents, and transportation documents for packaging, transportation, and receipt by the designated off-site receiving facility;
- Maintain packaging and loading capability to support sustained de-inventory operations and support activities; maintain compliant, dedicated quality assurance; and maintain security;
- Maintain chain-of-custody protocols throughout de-inventory and maintain continuity throughout inactive shipping intervals;
- Comply with documented safety analysis and authorization basis requirements throughout de-inventory;
- Prepare DOE-STD-3013-2004-compliant containers for packaging, and package the containers in 9975 Type B fissile material shipping packages meeting all applicable requirements for shipment to the designated off-site receiving facility;
- Maintain configuration control of a secure, dedicated database for the pedigree of each packaged DOE-STD-3013-2004 container in its correspondent, dedicated 9975 Type B fissile material shipping package;
- Maintain pre-load and post-load shipping package leak testing capability throughout de-inventory campaign;
- Complete calorimetric measurements on all DOE-STD 3013-2004-compliant containers in their pre-loaded and final packaging configuration for shipment;
- Complete SNM de-inventory to the designated off-site receiving facility; and
- Complete de-inventory, shipping, and receiving closeout documentation upon completion of SNM de-inventory.

**C.2.2.3.2 Store/De-inventory Un-irradiated Fuel**

General Scope:

The Contractor shall maintain safe and secure storage capability through final de-inventory activities. The Contractor shall plan for and de-inventory 13 core component containers (CCCs) containing un-irradiated fuel assemblies, using the Hanford Un-irradiated Fuel Package (HUFP), for shipment to an off-site DOE-approved storage facility.

Detailed Scope and Requirements:

The Contractor shall:

- Maintain safe, secure, and compliant storage capability through final de-inventory actions;
- Establish and maintain packaging and loading capability to support de-inventory operations and support activities;
- Prepare and present programmatic documentation, shipper/receiver agreement documents, and transportation documents for packaging, transportation, and receipt by

- the designated off-site receiving facility;
- Establish and maintain compliant, dedicated, quality assurance, security, and chain-of-custody protocols throughout de-inventory and maintain continuity throughout inactive shipping intervals;
  - Comply with documented safety analysis and authorization basis requirements throughout de-inventory;
  - Prepare HUFPP for packaging, and package the CCCs in HUFPP's for shipment to the designated off-site receiving facility;
  - Establish procurement procedures, quality controls, acceptance criteria, and storage and handling controls for the procurement and receipt of approximately 13 HUFPP shipping packages for de-inventory;
  - Maintain configuration control of a secure, dedicated database for the pedigree of each packaged CCC in its correspondent, dedicated HUFPP shipping package;
  - Establish pre-load and post-load shipping package leak testing capability and maintain throughout de-inventory campaign;
  - Complete un-irradiated fuel de-inventory to the designated off-site receiving facility; and
  - Complete de-inventory, shipping, and receiving closeout documentation upon completion of un-irradiated fuel de-inventory.

#### **C.2.2.3.3 Store/De-Inventory Slightly Irradiated Spent Fuel**

##### General Scope:

The Contractor shall maintain safe and secure storage capability through final de-inventory activities. The Contractor shall plan for and de-inventory 6 casks of slightly irradiated fuel, for shipment to the Canister Storage Building (CSB). The scope includes establishing and maintaining packaging and loading capabilities to support these de-inventory activities, as well as developing and maintaining the necessary documentation.

##### Detailed Scope and Requirements:

The Contractor shall:

- Provide for safe, secure, and compliant storage of slightly irradiated spent fuel through final de-inventory activities;
- Prepare and present programmatic documentation, shipper/receiver agreement documents, and transportation documents for packaging, transportation, and receipt by the designated receiving facility;
- Establish and maintain compliant, dedicated quality assurance, security, and chain-of-custody protocols throughout de-inventory and maintain continuity throughout inactive shipping intervals;
- Complete transfer of slightly irradiated spent fuel to the Canister Storage Building; and
- Complete de-inventory, shipping, and receiving closeout documentation upon completion of de-inventory.

#### **C.2.2.3.4 Misc. Fuels/Materials De-inventory**

##### General Scope:

PFP utilizes approximately 160 sources and standards to perform required non-destructive assays of the stored SNM inventory, including mixed-oxide fuel, oxide and metal packaged into DOE-STD-3013-2004-compliant containers, and hold-up material within plant processing equipment and structures. The sources and standards are comprised of SNM that require phased disposition following de-inventory of DOE-STD-3013-2004-compliant containers, and during plant decommissioning. The Contractor shall package and disposition sources and standards. The standards (National) may be returned to the Offsite Source Recovery Project at the Los Alamos National Laboratory (LANL) using approved packaging. Other excess standards and sources shall be discarded as waste when no longer required.

##### Detailed Scope and Requirements:

Following shipment of plutonium-bearing material packaged in DOE-STD-3013-2004-compliant containers and stored fuel, the Contractor shall package sources and standards not needed for D&D of the facility. The Contractor shall either ship sources and standards to an authorized off-site location, or dispose of the sources as waste.

Upon completion of facility D&D, the Contractor shall package and transfer all remaining sources and standards to an authorized off-site location, or dispose of the sources as waste.

#### **C.2.2.4 Remediation Activities**

In the course of remediation, the Contractor shall develop and implement a graded approach to maintain compliance with 10 CFR 830, *Nuclear Safety Rule*. The Contractor shall maintain safety basis document(s) until the hazards are reduced to a level that the safety basis document(s) can be proposed for elimination (i.e., less than Hazard Category 3).

##### **C.2.2.4.1 Facility Demolition**

##### General Scope:

The Contractor shall demolish PFP facilities to slab-on-grade and stabilize the site for S&M.

##### Detailed Scope and Requirements:

The Contractor shall:

- Prepare and submit Removal Action Work Plans containing specific requirements for each facility, consistent with the PFP Above-Grade Structures Engineering Evaluation/Cost Analysis (EE/CA) for DOE approval;
- Demolish PFP buildings to slab-on-grade in compliance with the TPA;
- Remove the 236-Z piping in the pipe trench, seal all exterior penetrations, and install a 4-inch concrete cover cap on the slab;
- Isolate manholes 5 and 6 for subsequent disposition under PFP Geographical Zone remediation (SOW Section C.2.5.4, *Remediation – Closure*);

- Backfill below-grade portions of facilities or stabilize as coordinated with final remediation activities;
- Remove/demolish yard area structures and equipment;
- Remove contaminated pavement or seal with a concrete over-slab or similar cover;
- Grade, stabilize and apply weed control to the entire PFP area;
- Prepare and submit the DOE TPA Milestone Completion Verification Packages; and
- Prepare a D&D Lessons Learned report that provides detailed cost data and an analysis of D&D methods and operations used for the disposition/demolition of the PFP facilities listed in Table C.2.2.4.1, *PFP Building/Facilities Requiring Disposal/Demolition* (Deliverable C.2.2.4.1-1).

Structures identified in Table C.2.2.4.2, *PFP Building/Facilities Not Requiring Removal/Demolition for Slab-on-Grade End Points*, and below-grade structures, such as, buried utilities (tanks, pipes, conduit, etc.) are beyond the scope of this task and will be dispositioned as part of Section C.2.4.6, *OU Decision Document Activities*; Section C.2.5.3, *Remediation Optimization*; and Section C.2.5.4, *Remediation – Closure*. Final remediation planning will be coordinated with Section C.2.5.4, *Remediation –Closure*.

Table C.2.2.4.1, *PFP Building/Facilities Requiring Disposal/Demolition* comprises the list of PFP buildings/facilities requiring disposition/demolition. Demolition scope includes additional yard structures and equipment.

**Table C.2.2.4.1, PFP Building/Facilities Requiring Disposition/Demolition**

Building No.	Title
225WC	PFP Wastewater Sampling Facility
234-5Z	PFP Plutonium (Pu) Processing and Storage
234-5ZA	PFP Change Room Addition
236Z	Plutonium Reclamation Building
242Z	Waste Treatment and Americium Extraction Facility
242ZA	Monitoring Building
243Z	Low-Level Waste Treatment Facility
243ZA	Low-level Waste Storage Facility
243ZB	Cooling Towers and Concrete Pad
2503Z	13.8KV Electrical Switch Yard Building
252Z1	Electrical Substation
267Z	Fire Riser #9 Valve House (North side of 234-5Z, near foyer)
268-Z	Mobile TRU Waste NDA Facility (SuperHENC)
2701ZA	Patrol Central Alarm Monitoring Station/Z-Plant
2701ZC	Vehicle Inspection, Covered Shelter
2701ZD	PFP Badge House
2701-ZE	Vehicle Inspection, Structure
2704Z	Office Administration Building
2705Z	PFP Operations Control Facility
270Z	PFP Operations Support Bldg
2712Z	Stack Sampling and Monitoring Station (on 291Z001)
2721Z	Emergency Generator Service Building
TK-701-12B	Underground Diesel Storage Tank (for 2721Z generators)
2727Z	Supply Storage Building
2729Z	Storage Building
2731ZA	Container Storage Building; Liquid Nitrogen Storage Tank and N2 Generator
2734ZA	Gas Cylinder Storage Building
2734ZB	Gas Storage
2734ZC	Gas Storage
2734ZD	Process Gas Storage
2734ZJ	Liquid Nitrogen Storage Pad and Tank
2734ZK	Gas Cylinder Storage
2734ZL	Hydrogen Fluoride Facility
2735Z	Chemical Storage Tanks and Catch Basin
2736Z	Plutonium Storage Building
2736ZA	Plutonium Storage Ventilation Structure
2736ZB	Plutonium Storage Support Facility
2736ZC	Cargo Restraint Transport Dock
2736ZD	LAMPRE Fuel Storage Cask
2736ZE	Interim Fuel Storage Vault
2736ZF	Interim Fuel Storage Vault
2736ZG	Interim Fuel Storage Vault
2736ZH	Interim Fuel Storage Vault
2736ZI	Interim Fuel Storage Vault
2736ZM	Interim Fuel Storage Vault

Building No.	Title
2736ZN	Interim Fuel Storage Vault
2736ZO	Interim Fuel Storage Vault
2736ZP	Interim Fuel Storage Vault
2736ZQ	Interim Fuel Storage Vault
2736ZR	Interim Fuel Storage Vault
2736ZS	Interim Fuel Storage Vault
2736ZT	Interim Fuel Storage Vault
2736ZU	Interim Fuel Storage Vault
2778-Z	Hardened Guard Station (southern buffer zone)
291Z	Ventilation Exhaust Fan House
291Z001	Main Exhaust Air Stack (234-5Z, 236Z, 242Z)
296Z005	Stack, 273ZB Shipping/Receiving Bldg Exhaust
296Z006	Stack, 2736ZA Bldg/Plutonium Storage Ventilation System Exhaust
296Z007	Stack, adjacent to 2736ZB, East Side
296Z015	Stack, 243-Z
637-A	ADRS transformer attached to 2736-ZB
HS-45	Hazardous Waste Storage (East of 234-5Z)
HS-46	Chemical Storage (West of 234-5Z)
HS-47	Hazardous Waste Storage (West of 234-5Z)
MO-014	Mobile Office inside PFP
MO-428	Mobile Office inside PFP
MO-429	Mobile Office inside PFP
MO-432	Mobile Office inside PFP
MO-671	Decontamination Trailer (East of 234-5Z)
MO-970	Mobile Office inside PFP
MO-971	Mobile Office inside PFP
2711-B1	Breathing Air Compressor Trailer – North
2711-B2	Breathing Air Compressor Trailer – South
Yard Area	Inner PFP fence, perimeter fence lighting, razor ribbon barriers, hardened fighting positions, perimeter alarm systems, CCTV towers, steam lines, power poles/lines, Conex and other cargo containers, all other structures within the Protected Area installed by PRC

**Table C.2.2.4.2, PFP Building/Facilities Not Requiring Removal/Demolition For Slab-on-Grade End Points**

Building No.	Title
216-Z-9	Crib, Underground
216-Z-9A	Contaminated Soil Removal Building
216-Z-9B	Mining Facility Operator's Control Room
216-Z-9C	Weather Enclosure
216ZP1	Main Process Facility, 200-ZP-1
216ZP1A	Injection Manifold Building
216ZP1B	Extraction Manifold Building
216ZP1C	Extraction Manifold Building
216Z13	Dry Well
216Z14	Dry Well
216Z15	Dry Well

Building No.	Title
231-Z	Pu Metallurgy Laboratory
234-5Z-BA	PFP Boiler Annex
234-5Z-BE	PFP Boiler House Electric Annex
241-Z-361	Waste Settling Tank, Underground
2607-WA	Septic tank, drain field
2607-Z	Septic tank, drain field
2607-Z1	Sewage lift station
2607-Z1	Abandoned drain field (West of 2721-Z)
2702Z	Microwave Tower and Support Building
289W	Reduced Pressure Backflow Assembly No 1 (on incoming sanitary water)
2901-Z	Export Water Line Valve House
Miscellaneous Yard	Outer Protected Area Fence, High Mast Lighting
Outside PFP	Mobile Offices, Restroom/Shower Trailers, parking lots, steam lines, power poles and lines, 212Z lag storage area and structures
Sub-Grade	Cribs, Ditches, Pipelines, Process Sewers, French Drains, Other Waste Sites

#### C.2.2.4.2 Maintain 216-Z-9

##### General Scope:

The Contractor shall maintain the 216-Z-9 facility.

##### Detailed Scope and Requirements:

The Contractor shall provide minimum-safe surveillance and maintenance for the 216-Z-9 facility until it is dispositioned as part of Plutonium Finishing Plant geographical zone closure.

#### C.2.2.4.3 Manage and Dispose of PFP Solid Waste

##### General Scope:

The Contractor shall handle, treat, package, label, store, and ship solid waste (e.g., low-level, low-level mixed, TRU/TRU mixed wastes) from the facility in compliance with applicable state and Federal regulations for disposal at an approved facility.

##### Detailed Scope and Requirements:

The Contractor shall:

- Procure all required waste containers to support D&D of PFP. Typical containers include 55/85 gallon drums, standard waste boxes, and IP-1 and IP-2 shipping containers;
- Develop and update waste volume projections for organizations that receive PFP waste. The PFP Sampling and Analysis Plans and Removal Action Work Plans identify the disposition paths for the waste/debris generated at PFP; and
- Assume costs associated with management, treatment, and disposal of the PFP waste.

### C.2.3 Solid and Liquid Waste Treatment and Disposal

#### Background:

Solid and liquid waste stabilization and disposition activities are performed in the following facilities:

- T Plant Complex;
- Central Waste Complex (CWC);
- Waste Receiving and Processing Facility (WRAP);
- Low Level Burial Grounds (LLBGs);
- Environmental Restoration and Disposal Facility (ERDF);
- Integrated Disposal Facility (IDF);
- Waste Encapsulation and Storage Facility (WESF);
- Canister Storage Building (CSB)/200 Area Interim Storage Area (ISA);
- 200 Area Liquid Waste Processing Facilities – Effluent Treatment Facility (ETF), Liquid Effluent Retention Facility (LERF), 200 Area Treated Effluent Disposal Facility (TEDF), State Approved Land Disposal Site (SALDS); and

#### ***Waste Treatment and Disposal***

At the commencement of the Transition Period, there will be approximately 1500 cubic meters ( $m^3$ ) of contact handled (CH) mixed low-level waste (MLLW) in packages smaller than  $10 m^3$  in permitted storage requiring treatment under this Contract. There will be an approximate total of  $1300 m^3$  of remote handled (RH) MLLW in packages of all sizes and CH-MLLW in packages larger than  $10 m^3$  in permitted storage requiring treatment under this Contract. During the period of FY 2009 through FY 2018, approximately  $1300 m^3$  of RH and large-size (greater than  $10 m^3$ ) MLLW packages requiring treatment will be newly-generated or retrieved (during retrieval of suspect TRU from the LLBGs) and approximately  $1800 m^3$  in packages less than  $10 m^3$  of CH-MLLW requiring treatment will be newly generated or retrieved.

Life-cycle information about the radioactive solid waste expected to be managed at Hanford from onsite and offsite generators is available in the *Solid Waste Integrated Forecast Technical* (SWIFT) database. A summary of storage and forecast information for MLLW at the Hanford Site is provided in the *Calendar Year 2005 Hanford Site Mixed Waste Land Disposal Restrictions (LDR) Summary Report*.

The approximate volume of TRU waste in storage and remaining to be certified on October 1, 2008, will be as follows:

- $2200 m^3$  of CH TRU/TRUM in drums and Standard Waste Boxes (SWBs);
- $3600 m^3$  of CH TRU/TRUM in larger containers; and
- $400 m^3$  of RH TRU/TRUM.

The TPA Milestone M-91 Series requires retrieval and disposition of retrievably-stored suspect TRU waste that was placed in the LLBGs after May 6, 1970. Both CH and RH suspect TRU waste is to be retrieved from Burial Grounds 218-W-4C, 218-E-12B, 218-W-3A, and 218-W-4B. As of October 1, 2008, approximately 5950 m<sup>3</sup> of retrievably-stored CH waste and 130 m<sup>3</sup> of retrievably-stored RH waste will remain to be retrieved.

The generator of the waste shall assume the costs for storage and disposal of LLW, MLLW, and immobilized low-activity waste. In addition, the generator shall assume the costs for treating or processing spent nuclear fuel, LLW, and MLLW to meet safety requirements, environmental requirements, and facility acceptance criteria. The generator of TRU waste shall assume the costs for packaging, storage, certification support, and loading for transport off-site. The DOE Carlsbad Field Office will assume the costs for TRU waste certification and off-site transportation and disposal.

### **C.2.3.1 Strategic Planning and Integration**

#### General Scope:

The Contractor shall optimize the approach to treat and dispose of wastes covered by this Contract and coordinate with regulators, stakeholders, and off-site commercial or government facilities as needed, to obtain needed capabilities and build agreement for an optimized approach. DOE will lead all discussions with regulators and will make all commitments regarding the approaches used to treat and dispose of waste covered in this Contract scope of work.

#### Detailed Scope and Requirements:

The Contractor shall:

- Develop, submit for DOE approval, implement, and maintain a *Strategic Plan* (Deliverable C.2.3.1-1) that reflects integration and optimization of the waste treatment/disposal functions and supporting facilities/infrastructure, and identifies significant baseline cost improvement opportunities;
- Annually update and maintain TPA Milestone M-91-03, *Project Management Plan*;
- Operate a waste forecast system to collect and maintain the life-cycle forecast for waste to be managed under this Contract. The forecast shall include all types of radioactive solid waste (e.g., TRU waste, TRU Mixed [TRUM] waste, LLW, MLLW), including *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) waste;
- Coordinate with other Hanford Site contractors and organizations to assure that waste management needs are met, and adequate waste treatment and disposal capabilities are planned and obtained;
- Prepare, conduct, and maintain Performance Assessments (PAs) for PRC waste management facilities in accordance with DOE O 435.1, *Radioactive Waste Management*;
- Provide input and waste management facility access to the MSC for preparation of the *Hanford Site Mixed Waste LDR Report* in accordance with the requirements of the TPA Milestone M-26-01 and related *Resource Conservation and Recover Act of 1976* (RCRA) land disposal restrictions; and

- Provide support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, approval, and defense of decision, regulatory, and supporting documentation associated with PRC waste management facilities.

### **C.2.3.2 Waste Support Services**

#### General Scope:

The Contractor shall provide waste support services functions.

#### Detailed Scope and Requirements:

The Contractor shall:

- Assess each generating unit to ensure compliance with the applicable waste acceptance criteria;
- Provide audit capability, including providing auditors, to support the DOE Consolidated Audit Program for audits of external commercial RCRA Treatment, Storage and Disposal (TSD) facilities and laboratories to support the annual request for use of off-site TSDs, as needed;
- Maintain the waste acceptance criteria for PRC waste management facilities;
- Operate a tracking system for waste managed under this Contract; and
- Maintain capability to coordinate receipt of off-site waste and waste from other Hanford Site contractors.

### **C.2.3.3 Low Level Waste/Mixed Low Level Waste (LLW/MLLW) Treatment**

#### General Scope:

The Contractor shall treat, package, and deliver LLW and MLLW to meet LDR requirements and other applicable disposal requirements.

#### Detailed Scope and Requirements:

The Contractor is responsible for treatment of CH and RH LLW/MLLW that is either in storage at identified facilities or that is newly-generated by activities under this Contract.

The Contractor shall treat, package, and deliver CH and RH LLW/MLLW in accordance with applicable regulations, DOE directives, and the TPA, to meet disposal facility requirements and acceptance criteria.

The Contractor shall:

- Receive, re-package, store, and dispose of additional wastes from other waste generators.
- Receive waste for treatment from other generators only with prior DOE approval.
- Coordinate with other waste generators, and develop/update a service provider approach (including regulatory, technical, contractual, and other required features).
- Recover costs from other waste generators for providing these services.

The proposed waste volume projections and service provider approach shall be subject to periodic DOE review and approval.

#### **C.2.3.4 Solid Low Level Waste (LLW) and Mixed Low Level Waste (MLLW) Disposal**

##### General Scope:

The Contractor shall dispose of LLW and MLLW meeting LDR and other applicable requirements.

##### Detailed Scope and Requirements:

The Contractor shall dispose of CH and RH LLW/MLLW that meets waste acceptance criteria in accordance with applicable regulations, DOE directives, and the TPA.

The Contractor shall:

- Receive additional wastes that meet waste acceptance criteria from other on-site and off-site waste generators for storage.
- Receive waste for disposal from other generators only with prior DOE approval.
- Coordinate with other waste generators, and develop/update a service provider approach (including regulatory, technical, contractual, and other required features).
- Recover costs from other waste generators for providing these services.

The proposed waste volume projections and service provider approach shall be subject to periodic DOE review and approval.

#### **C.2.3.5 Liquid Waste Treatment and Disposal**

##### General Scope:

The Contractor shall receive, treat and dispose of liquid wastes in accordance with applicable waste acceptance and discharge permit requirements.

##### Detailed Scope and Requirements:

The Contractor shall maintain the 200 Area liquid waste processing facilities as described in the auditable safety analysis in a ready-to-serve status, which provides the capability to receive, treat, and dispose of liquid effluents consistent with the waste acceptance criteria and the discharge criteria. If directed by the Contracting Officer, the Contractor shall transition the 200 Area liquid waste processing facilities to the Tank Operations Contractor.

The Contractor shall receive liquid waste that meets applicable waste acceptance criteria.

The Contractor shall treat and dispose of liquid waste in accordance with applicable regulations, DOE directives, and discharge permits.

The Contractor shall:

- Receive additional liquid wastes that meet waste acceptance criteria from other waste generators for treatment.
- Receive waste for disposal from other generators only with prior DOE approval.
- Coordinate with other waste generators, and develop/update a service provider approach (including regulatory, technical, contractual, and other required features).

The proposed waste volume projections and service provider approach shall be subject to periodic DOE review and approval.

### **C.2.3.6 Transuranic (TRU) Waste**

#### **C.2.3.6.1 Transuranic Waste Certification**

##### General Scope:

The Contractor shall perform CH-TRU characterization, certification, repackaging, and shipping activities in accordance with approved TRU waste certification program. The Contractor shall provide the services to maintain and close out the Hanford TRU waste certification program.

After the Hanford TRU waste certification program closes, the Waste Isolation Pilot Plant (WIPP) Central Characterization Project (CCP) support the CH-TRU characterization and certification activities at Hanford.

##### Detailed Scope and Requirements:

The Contractor shall:

- Perform all waste characterization, certification, repackaging, and shipping activities in accordance with approved TRU waste certification program and DOE-EM TRU Waste Shipping Goals;
- Provide resources to receive additional CH-TRU waste from other waste generators for processing that is packaged by the generator(s);
- Provide the facility and capability to load and ship TRU waste;
- Make CH-TRU waste ready for shipment in approved containers eligible for compaction off-site and store in an approved, compliant location;
- Support the Hanford TRU waste certification program by:
  - Providing Real Time Radiography (RTR) equipment, drum assay equipment, and Head Space Gas Sampling (HSGS) if needed; and
  - Participating in a close-out audit of the Hanford certification program;
- Support CCP TRU waste certification program by:
  - Providing CCP with CH-TRU waste that meets the waste characterization and classification requirements established by the DOE Carlsbad Field Office;
  - Providing facility records, packaging records, and other documents necessary for CCP to prepare waste certification packages;
  - Providing the facility and infrastructure to support the installation and operation of the large box Nondestructive Examination (NDE)/Nondestructive Assay (NDA)

- equipment, if needed;
- Providing the necessary public release clearances for CCP generated documents; and
- Providing the infrastructure to support installation, operation, and maintenance of the CCP-provided Real Time Radiography (RTR) equipment, drum assay equipment, Head Space Gas Sampling (HSGS), and mobile loading equipment.

#### **C.2.3.6.2 RH Waste Shipments**

##### General Scope:

The WIPP CCP will perform RH TRU characterization and certification activities at Hanford. The Contractor shall provide support to the CCP for the performance of RH TRU characterization, certification, and shipping activities.

##### Detailed Scope and Requirements:

The Contractor shall:

- Perform all waste repackaging activities;
- Provide resources to receive additional RH TRU waste from other waste generators for processing. Waste will be packaged by the generator(s) to meet the requirements of the Hanford Site Solid Waste Acceptance Criteria (HSSWAC);
- Provide CCP with RH TRU waste that meets the waste characterization and classification requirements established by the DOE Carlsbad Field Office;
- Provide the infrastructure to support installation and operation of the CCP-provided RTR equipment, drum assay equipment, and mobile loading equipment;
- Provide facility records, packaging records, and other documents necessary for CCP to prepare waste certification packages; and
- Provide the necessary public release clearances for CCP generated documents.

#### **C.2.3.7 Waste Retrieval**

##### General Scope:

The Contractor shall retrieve CH and RH waste in accordance with the requirements established in regulatory, authorization basis, and other supporting requirements documentation and schedule identified in the TPA M-91 milestone series. All retrievably-stored suspect TRU waste shall be removed from the burial grounds and transferred to a TSD facility for disposition.

The Contractor shall ship plutonium-238 material retrieved from the burial grounds to the DOE Savannah River Site, when directed by the Contracting Officer.

Detailed Scope and Requirements:

The Contractor shall retrieve:

- All suspect CH-TRU waste from Burial Grounds 218-W-4C, 218-E-12B, 218-W-3A, and 218-W-4B.
- All RH-TRU waste from Burial Grounds 218-W-4C, 218-E-12B, 218-W-3A, and 218-W-4B (including waste in Alpha caissons).

The Contractor shall transfer segregated retrieved waste to a treatment, storage, and disposal facility for disposition. Retrieved waste shall be segregated in accordance with the Master Documented Safety Analysis (MDSA) at the burial ground(s) into TRU and low-level waste streams.

The Contractor shall coordinate efforts with the DOE Idaho and the Savannah River Sites to transport 12 drums of plutonium-238 to the DOE Savannah River Site.

The Contractor shall:

- Resolve questions and concerns necessary to acquire approval of revision(s) to the Radioisotope Thermoelectric Generator (RTG) Transportation System Safety Analysis Report for Packaging (SARP).
- Provide support for the loading of 12 drums of Pu-238 into RTGs casks in a suitable facility.
- Develop and execute security plans for the relocation, transportation, and loading of 12 Pu-238 drums as needed.
- Prepare shipper/receiver agreement and reach concurrence with SRS.

**C.2.3.8 Waste Management Support Projects**

**C.2.3.8.1 T Plant Modifications for Sludge Storage**

General Scope:

The Contractor shall modify T Plant to receive and store treated sludge from K Basins, pending sludge shipment to WIPP. This sludge will be RH-TRU waste.

Detailed Scope and Requirements:

The Contractor shall:

- Perform modifications at T Plant to prepare for receipt and storage of treated sludge from K Basins, pending sludge shipment to WIPP.
- Provide the capability at T Plant to receive and store the treated sludge;
- Procure High Integrity Containers to store the treated sludge; and
- Perform and support readiness reviews for receipt and storage of the treated sludge.

### **C.2.3.8.2 Provide Alternate TRUPACT Loadout Capability**

#### General Scope:

At the direction of the Contracting Officer, the Contractor shall design, procure, construct, and acceptance test the necessary equipment to provide alternate TRUPACT loadout capability.

#### Detailed Scope and Requirements:

At the direction of the Contracting Officer, the Contractor shall design, procure, construct, and acceptance test the necessary equipment to provide alternate TRUPACT loadout capability. This equipment shall be capable of loading TRU drums into TRUPACT II containers for over the road shipment to WIPP or another DOE site. This capability is being provided as a back-up to the capabilities that currently exist within the WRAP facility.

### **C.2.3.9 Cesium/Strontium Capsule Transfer to Dry Storage**

#### General Scope:

At the direction of the Contracting Officer, the Contractor shall transfer cesium and strontium capsules from wet storage in Waste Encapsulation Storage Facility (WESF) to dry storage.

#### Detailed Scope and Requirements:

At the direction of the Contracting Officer, the Contractor shall:

- Design, procure, and construct the systems and components needed to transfer WESF cesium and strontium capsules into dry storage; and
- Transfer cesium and strontium capsules from wet storage in WESF to dry storage.

The Contractor shall support DOE in document preparation and approval processes associated with Project Management requirements identified in DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version).

### **C.2.3.10 TPA Milestone M-91 Upgrades to T Plant**

#### General Scope:

The Contractor shall provide facility operational capabilities to meet TPA Milestones M-91-01 and M-91-15.

#### Detailed Scope and Requirements:

The Contractor shall design and construct/upgrade waste management facilities and equipment to receive, repackage, treat, vent, sample, assay, and perform other activities as required to process RH-MLLW, RH-TRU waste, large-package MLLW, and large-package TRU waste consistent with TPA Milestones M-91-01 and M-91-15.

The Contractor shall support DOE in document preparation and approval processes associated

with Project Management requirements identified in DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version).

### **C.2.3.11 Fuel Preparation Facility Design**

#### General Scope:

At the direction of the Contracting Officer, the Contractor shall prepare design documents for a hot cell facility to repackage SNF, and the WESF Cesium and Strontium capsules into DOE-standardized canisters.

#### Detailed Scope and Requirements:

At the direction of the Contracting Officer, the Contractor shall complete activities necessary for approval of Critical Decisions in accordance with DOE O 413.3A. *Program and Project Management for the Acquisition of Capital Assets* (or current version) for a hot cell facility for repackaging SNF and the WESF cesium and strontium capsules into DOE standardized canisters in order to support a FY 2020, *Start of Construction*.

### **C.2.3.12 Integrated Disposal Facility Authorization to Operate**

#### General Scope:

The Contractor shall perform activities necessary to make Integrated Disposal Facility (IDF) a fully operational facility.

#### Detailed Scope and Requirements:

The Contractor shall:

- Complete facility startup activities to support receipt and disposal of immobilized low activity glass waste and bulk vitrification test waste;
- Update *Performance Assessment* (Deliverable C.2.3.12-1) and *Waste Acceptance Criteria* (Deliverable C.2.3.12-2) for immobilized low activity glass waste, bulk vitrification test waste, LLW, and MLLW to achieve disposal authorization;
- Modify existing and develop new permits required to receive LLW/MLLW waste for disposal;
- Complete facility startup reviews to support receipt and disposal of LLW/MLLW wastes; and

### **C.2.3.13 Canister Storage Building/200 ISA Security Upgrades**

#### General Scope:

Slightly irradiated spent fuel (Category I SNM) from PFP will be relocated to the Canister Storage Building (CSB) for safe and secure storage (SOW Section C.2.2.3.3, *Store/De-Inventory Slightly Irradiated Spent Fuel*). Storage of this Category I material at the CSB will require appropriate security upgrades. At the time of Contract transition, the CSB security upgrade designs will be complete.

The Contractor shall install security upgrades within the CSB. Security upgrades outside of the

CSB will be installed by MSC.

Detailed Scope and Requirements:

The Contractor shall perform facility upgrades within the CSB to support the safe and secure storage of slightly irradiated spent fuel (Category I SNM) from PFP. Security upgrades outside of the CSB will be installed by MSC. The Contractor shall coordinate the installation of these security upgrades with MSC.

**C.2.3.14 Facility Management**

General Scope:

The Contractor shall maintain facilities on a ready-to-serve basis to:

- Receive and store spent nuclear fuel from on-site generators;
- Store cesium and strontium capsules; and
- Receive, store, treat, and/or dispose LLW, MLLW, TRU waste and other wastes from on-site and off-site generators.

The Contractor shall operate the following facilities in a safe, compliant, energy-efficient, and cost effective manner:

- T Plant Complex;
- Central Waste Complex (CWC);
- Waste Receiving and Processing Facility (WRAP);
- Low Level Burial Grounds (LLBGs);
- Integrated Disposal Facility (IDF);
- Waste Encapsulation and Storage Facility (WESF);
- Canister Storage Building (CSB)/200 Area Interim Storage Area (ISA);
- 200 Area Liquid Waste Processing Facilities – Effluent Treatment Facility (ETF), Liquid Effluent Retention Facility (LERF), 200 Area Treated Effluent Disposal Facility (TEDF), State Approved Land Disposal Site (SALDS); and

At the direction of the Contracting Officer, the Contractor shall receive ERDF from the RCCC and operate ERDF in a safe, compliant, energy-efficient, and cost effective manner.

Detailed Scope and Requirements:

The Contractor shall operate waste management facilities in accordance with DOE requirements, authorization basis documents, state and Federal regulations, TPA, permit conditions and acceptance criteria for LLW, MLLW, TRU waste, other wastes and spent nuclear fuel. The scope includes programs for safe and compliant facility operations, such as:

- Assessments and surveillances;
- Emergency preparedness;
- Engineering;

- Environmental sampling, monitoring, and reporting;
- Fire protection;
- Maintenance;
- Material control;
- Nuclear safety;
- Occupational safety/Industrial hygiene;
- Permitting;
- Procedure development;
- Grounds maintenance;
- Quality assurance/quality control;
- Radiological control;
- Training; and
- Waste management.

The Contractor shall evaluate facility conditions against current and projected facility use and execute those improvements and system/equipment upgrades necessary to maintain safe, compliant, energy-efficient, and cost-effective operations.

### ***T Plant Complex***

The Contractor shall maintain the T Plant Complex within applicable safety basis documents.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the following capabilities:

- Receive and store LLW, MLLW, and TRU waste from on-site and off-site generators consistent with the waste acceptance criteria;
- Repackage, treat, vent, sample, verify, and perform other activities as required to process LLW and MLLW in support of final disposal on-site;
- Repackage, treat, vent, sample, verify, and perform other activities as required to process transuranic waste in support of final disposal at WIPP; and
- Receive and store treated K Basin sludge.

### ***Central Waste Complex (CWC)***

The Contractor shall maintain:

- CWC within the applicable safety basis documents; and
- 2727-W Building for the storage of Hallam sodium.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the following capabilities:

- Receive and store LLW, MLLW, TRU waste, and other waste from on-site and off-site generators consistent with waste acceptance criteria; and

- Store existing Hallam sodium product inventories in the 2727-W.

### **Waste Receiving and Processing Facility (WRAP)**

The Contractor shall maintain WRAP within the applicable safety basis documents.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the following capabilities:

- Receive and store LLW, MLLW, and TRU waste from on-site and off-site generators consistent with the waste acceptance criteria;
- Repackage, treat, vent, sample, verify, assay, examine and perform other activities as required to process TRU waste in support of final disposal at WIPP;
- Repackage, treat, vent, sample, verify, and perform other activities as required to process LLW and MLLW in support of final disposal on-site; and
- Assemble payloads of TRU waste and provide to CCP for shipment to WIPP in accordance with Section C.2.3.6, *Transuranic (TRU) Waste*.

### **Low Level Burial Grounds (LLBGs)**

The Contractor shall maintain the LLBGs within the applicable safety basis documents to execute the work scope in Section C.2.3.3, *LLW/MLLW Treatment* and C.2.3.4, *Solid LLW/MLLW Disposal*.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the following capabilities:

- Receive and dispose of LLW and MLLW from on-site and off-site generators consistent with the waste acceptance criteria in Burial Ground 218-W-5, Trenches 31 and 34;
- Support disposal of naval reactor compartments pursuant to Section I Clause entitled, *DEAR 970.5217-1, Work for Others Program*, consistent with waste acceptance criteria and the *Memorandum of Understanding between the Department of the Navy and the Department of Energy*, in Burial Ground 218-E-12B, Trench 94; and
- Receive and store RH non-mixed waste in Burial Ground 218-W-3AE.

### **Environmental Restoration and Disposal Facility (ERDF)**

At the direction of the Contracting Officer, the Contractor shall accept ERDF from the RCCC.

Following acceptance, the Contractor shall:

- Maintain ERDF within the authorization basis.
- Maintain the facility in a ready-to-serve status to execute the work scope in Section C.2.3.3, *LLW/MLLW Treatment* and C.2.3.4, *Solid LLW/MLLW Disposal*; and to receive/treat/dispose waste in support Hanford remediation activities consistent with the waste acceptance criteria.
- Expand ERDF, as necessary, to accommodate future waste volumes.

The waste generator shall be responsible for waste disposal costs.

***Integrated Disposal Facility (IDF)***

The Contractor shall maintain the facility in a ready-to-serve status to execute the work scope in Section C.2.3.3, *LLW/MLLW Treatment* and C.2.3.4, *Solid LLW/MLLW Disposal*; and to receive/treat/dispose waste in support Hanford remediation activities consistent with the waste acceptance criteria.

Until DOE authorizes the Contractor to accept waste, the Contractor shall:

- Maintain IDF within the permit conditions; and
- Maintain the facility in a ready-to-serve status for disposal of immobilized low activity glass waste and bulk vitrification test waste, and waste from future generators to be dispositioned at IDF, in accordance with the permit.

After authorization is received to accept waste, the Contractor shall:

- Maintain the facility in a ready-to-serve status to receive, treat, and dispose of LLW and MLLW from on-site generators consistent with the waste acceptance criteria; and
- Expand IDF, as necessary, to accommodate future waste volumes.

The waste generator shall be responsible for waste disposal costs.

***Waste Encapsulation and Storage Facility (WESF)***

The Contractor shall maintain WESF within the applicable safety basis documents.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the capability to store the cesium and strontium capsules.

***Canister Storage Building (CSB)/200 Area Interim Storage Area (ISA)***

The Contractor shall maintain CSB and the 200 Area ISA within the applicable safety basis documents.

The Contractor shall maintain the facility in a ready-to-serve status, which provides the capability to receive and store spent nuclear fuel.

The Tank Operations Contractor is responsible for obtaining the capabilities for receipt of vitrified high-level waste at CSB.

In addition, the Contractor shall:

- Interface with OCRWM and the National Spent Nuclear Fuel Program to review repository documentation and perform analyses to enable final disposition and acceptance of spent nuclear fuel and WESF Capsules at the Yucca Mountain Repository; manage related technical interfaces, and integrate Hanford Site planning associated with Yucca Mountain Repository activities;

- Provide the necessary equipment to receive, store, and package SNF/HLW inventories;
- Develop compliance information to demonstrate that each spent fuel/high-level waste package conforms to repository requirements;
- Perform activities to support the inclusion of the WESF cesium and strontium capsules in the Yucca Mountain Repository license; and
- Receive, store, and manage SNF/HLW inventories.

#### **C.2.4 Groundwater Vadose Zone Project and Soil Remediation Decision Documents**

##### Background:

Past operations in the Central Plateau have resulted in facilities, waste sites and groundwater contaminated with hazardous and radioactive materials. DOE recognizes that coordination of Hanford Site groundwater and vadose zone cleanup activities is critical to providing adequate protection of the Columbia River. To meet this challenge, DOE consolidated all groundwater and vadose zone work under a single project activity; is actively integrating groundwater, vadose zone, and source-area cleanup decisions; and is actively integrating Hanford Site modeling and risk assessment activities.

The Contractor is responsible for managing the integrated Hanford Site groundwater project.

This Section of the *Statement of Work* addresses:

- Groundwater Monitoring, Sampling and Analysis;
- Groundwater and Vadose Zone modeling and risk assessments;
- Groundwater Protection and Remediation;
- Groundwater and Waste Site Operable Unit Characterization;
- Groundwater and Waste Site Operable Unit Regulatory Decisions; and
- Hanford Site Environmental Information System Management.

Wells are used at the Hanford Site to monitor groundwater quality at the Hanford Site, delineate existing groundwater plumes, and meet regulatory requirements associated with CERCLA, RCRA, and DOE directives. Groundwater monitoring wells require maintenance in order to provide accurate and reliable water level measurements and sampling. Wells that are no longer needed are decommissioned. The *Hanford Site Well Decommissioning Plan* provides details on the number of wells and types of activities that comprise this work.

Interim remedial actions have been initiated for selected groundwater Operable Units (OUs). Systems necessary to implement the remedial actions identified in final Records of Decision will be installed by 2018.

Waste sites are grouped into process-based OUs, identified in Appendix C of the TPA for remedial investigation and remedial action decision making purposes, and identified for groundwater geographically. Characterization activities and preparation of remedial action decision documents are in progress.

Human Health and Ecological Risk assessments are being conducted under the CERCLA remediation process at the Hanford Site. An integrated approach has been established for conducting ecological risk assessments. Currently, an integrated ecological risk assessment is being conducted for the Columbia River Corridor at the edge of the Hanford Site, and an integrated ecological risk assessment is being conducted for the Central Plateau.

Hanford Site environmental databases and information systems are used to record and provide access to monitoring data, waste site data, monitoring well information, sample analysis status and geographic information. Project specific databases and information systems are used to record and provide access to information unique to the specific project. The EnviroDataAccess system and Virtual Library system provide access to the most frequently used Hanford Site environmental information through Hanford intranet web sites.

#### **C.2.4.1 Project Integration**

##### **C.2.4.1.1 Groundwater and Vadose Zone Remediation Integration**

###### General Scope:

The Contractor shall support DOE in executing the integration functions associated with coordinating all cross-cutting activities related to monitoring, protection and remediation of groundwater.

###### Detailed Scope and Requirements:

The Contractor shall:

- Lead strategic integration of groundwater, vadose zone, and waste sites remediation efforts across the Hanford Site.
- Support Groundwater and Vadose Zone Remediation Integrated Project Team (IPT) activities.
- Create, update and maintain integrated Groundwater and Vadose Zone project schedules for the Hanford Site.
- Support Interagency Management Integration Team (IAMIT) meetings, Unit Manager Meetings, Hanford Advisory Board (HAB), and TPA negotiations, which include Groundwater and Vadose Zone topics.
- Review and evaluate integrated baseline project schedules for all remediation activities across the Hanford Site, including activities leading to disposition/remedial action decisions, to determine whether the schedule supports and aligns with the DOE strategy for groundwater protection and remediation. Prepare and submit a report to DOE presenting the results of this evaluation that includes the evaluation basis and recommendations for changes in project activity schedules that would result in better alignment with the strategy for groundwater protection and remediation (Deliverable C.2.4.1.1-1). Perform this review and evaluation following baseline revisions resulting from budget decisions.
- Develop and submit to DOE a plan that presents a strategy for gaining community and stakeholder understanding and building consensus on integrated groundwater remediation objectives and approaches (Deliverable C.2.4.1.1-2).

- Prepare and submit a prioritized list of recommended service water line upgrades or storm water run off control projects on an biennial basis (Deliverable C.2.4.1.1-3).
  - The prioritization shall be established through an evaluation of the significance for potential to impact groundwater based on known or potential service water line leakage locations with respect to waste sites/subsurface contamination.
  - The Contractor shall include the evaluation basis in the submittal.
- Provide support to DOE in executing its lead agency role with regulators and stakeholders in the preparation, submission, approval, and defense of decision, regulatory, and supporting documentation.
- Develop and implement innovative technical and regulatory approaches that will optimize the cost and time required to operate existing remediation systems.
- Provide periodic revisions to the *Groundwater and Vadose Zone Management Plan*. The Contractor shall work with the regulators, Tribal Nations, and stakeholders to solicit and incorporate comments.

#### **C.2.4.1.2 Risk Assessment Activity Integration**

##### General Scope:

The Contractor shall support DOE in executing the agency's integration function associated with coordinating the performance of risk assessments conducted to meet regulatory and DOE directive requirements, or to provide a technical basis in making project decisions.

##### Detailed Scope and Requirements:

The Contractor shall:

- Maintain a document under configuration control for DOE that contains key physical, chemical, and other parameters/assumptions associated with modeling the fate and transport of environmental contaminants from structures and waste sites for risk assessment purposes.
- Submit any proposed changes to the content of this document to DOE for approval prior to revising the document (Deliverable C.2.4.1.2-1).
- Prepare and submit for DOE approval the site specification to establish consistency among risk assessments at the Hanford Site. The site specification shall include the basis of evaluation and provide recommendations that would result in improved consistency among risk assessments (Deliverable C.2.4.1.2-2).
- Provide support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, approval, and defense of risk assessment and supporting documentation.
- Prepare a process to manage risk assessment activities across the Hanford Site (Deliverable C.2.4.1.2-3).
- Maintain an integrated schedule for risk assessments at the Hanford Site that assures prerequisite activities supporting initiation of risk assessment are appropriately scheduled.

### **C.2.4.2 Hanford Environmental Data Integration**

#### General Scope:

The Contractor shall serve as the data manager for assigned Hanford environmental databases.

#### Detailed Scope and Requirements:

The Contractor shall serve as the data manager for the following environmental databases, associated information systems, and web-based information access systems/portals:

- Hanford Environmental Information System (HEIS);
- Sample Data Tracking (SDT) System;
- Electronic Data Deliverable Processor (EDDPro);
- Hanford Well Information System (HWIS);
- Well Maintenance Application (WMA);
- Waste Information Data System (WIDS);
- WIDS Application;
- Hanford Intranet and Hanford Internet HEIS web sites; and
- EnviroDataAccess web based information access system.

The Contractor shall maintain and upgrade the following project-specific environmental databases:

- Sample and Data Management (SDM);
- Pump-and-Treat Project Specific Databases for the 100-HR-3, 100-KR-4, 100-NR-2 and 200-ZP-1 pump and treat projects; and
- In-Situ Redox Manipulation Project Specific Database.

As data manager for the environmental databases and information systems listed above, the Contractor shall:

- Identify hardware performance requirements (including Quality Assurance) and maintain performance specification documents;
- Obtain and install hardware upgrades, as needed, through the MSC;
- Identify software performance requirements (including Quality Assurance) and maintain software performance specification documents;
- Obtain and install software upgrades, as needed;
- Identify web site (Hanford intranet and Hanford internet) performance requirements and maintain performance specification documents;
- Update and upgrade web sites (Hanford intranet and Hanford internet), as needed;
- Identify automatic environmental database and information system query functions from other systems that use the data and information elements for completing data fields, generating reports, and other database operating activities;

- Maintain access for automatic queries while maintaining the integrity of the environmental databases and information systems;
- Identify access needs for Hanford Site contractors, DOE, and other parties (regulators, stakeholder organizations and the public). Establish access to environmental databases and information systems for data entry, data and information review, and report generation using environmental data and other associated information;
- Maintain appropriate restrictions on access to comply with all security requirements and to maintain system integrity;
- Maintain documentation on environmental databases and information systems that provide a description of the system, system capability, access control, content, data and information quality control processes, and other appropriate attributes or characteristics of each database and information system;
- Maintain procedures for access, data entry/validation, information update/validation, report generation, and other applicable operations associated with each environmental database and information system;
- Identify and evaluate opportunities for increasing effectiveness of use and decreasing operational costs through environmental database and information system improvements such as integration, consolidation, new database/information system development, and system software/hardware changes; and
- Coordinate hardware, software, access, automatic data/information query functions, data/information entry and reporting functions, and operational procedure changes with DOE and other users prior to initiating changes to ensure all regulatory/requirement compliance, security, and project execution/management needs continue to be met.

### **C.2.4.3 Modeling and Risk Assessment**

#### General Scope:

The Contractor shall maintain the Hanford Site Composite Analysis.

The Contractor shall conduct and maintain risk assessments to facilitate regulatory and other project decisions, as required.

The Contractor shall maintain the Hanford Site groundwater model developed by the Tank Closure and Waste Management (TC&WM) Environmental Impact Statement (EIS) team. At the direction of the Contracting Officer, the Contractor shall continue development of the Hanford Site groundwater model.

#### Detailed Scope and Requirements:

The Contractor shall:

- Maintain, update, and revise the Hanford Site Composite Analysis in accordance with DOE O 435.1, *Radioactive Waste Management* and other applicable requirements using a systems approach to model inventory, waste releases, air, vadose zone, groundwater and river transport with an evaluation of human and ecological impacts from a dose and risk assessment standpoint.
- Develop, maintain and upgrade the modeling and analytical tools as needed to support

risk assessment for regulatory and other environmental protection/remediation decision making processes. The computer model for the Hanford Site Groundwater uses the MODFLOW computer code and the vadose zone model uses the STOMP computer code. No other models are allowed to be used unless approved by DOE.

- Conduct, maintain, update and revise risk assessments as required to facilitate regulatory and other project decisions, in accordance with all applicable requirements.
- Maintain, update, and revise the Hanford Site Groundwater Model to support CERCLA, NEPA, RCRA, and AEA, as required.

#### **C.2.4.4 Hanford Site Common Field Activities**

##### **C.2.4.4.1 Groundwater Monitoring Wells**

###### General Scope:

The Contractor shall install groundwater monitoring wells in accordance with applicable regulatory and DOE requirements to support both Hanford Site-wide characterization activities and OU characterization activities. The Contractor shall maintain the groundwater monitoring well network on the Hanford Site and shall decommission wells that are no longer needed.

###### Detailed Scope and Requirements:

The Contractor shall:

- Install required wells in the Central Plateau region of the Hanford Site, approximately 350 feet in depth, sampled and logged, and completed with typically 30 feet of well screen.
- Install required wells along the Columbia River Corridor, approximately 120 feet deep with typically 30 feet of well screen.
- Maintain and execute a program for conducting routine preventative maintenance and maintaining security for the groundwater monitoring well network on the Hanford Site.
- Conduct activities, such as, repairing and resurveying well heads and locks, clearing wells, pulling pumps and otherwise servicing wells, as needed.
- Decommission wells that are no longer needed at the Hanford Site in accordance with the *Hanford Site Well Decommissioning Plan* and the requirements of Washington State regulations associated with well decommissioning.

##### **C.2.4.4.2 Soil Boring and Sampling**

###### General Scope:

The Contractor shall drill and sample soil to provide characterization data of the vadose zone in both the Central Plateau and along the Columbia River Corridor to support Hanford Site-wide characterization activities.

###### Detailed Scope and Requirements:

During the period of FY 2009 through FY 2012, the Contractor shall drill and sample both deep (300 feet) and shallow (100 feet) soil each fiscal year for vadose zone characterization.

#### **C.2.4.4.3 Borehole and Surface Geophysical Logging**

##### General Scope:

The Contractor shall conduct borehole and surface geophysical logging to support well and boring installation activities and to characterize contamination sources in the subsurface.

##### Detailed Scope and Requirements:

The Contractor shall:

- Conduct detailed borehole geophysical logging for deep borings, about 300 feet each, and shallow borings, about 100 feet each.
- Conduct neutron logging and spectral gamma in boreholes.
- Conduct surface geophysical surveys at a rate of two (2) surveys (approximately 10 line kilometers each) per year during the period of FY 2009 through FY 2011 and one other fiscal year as specified by DOE-RL.
- Establish and implement all quality assurance/quality control requirements for this activity.
- Process all data resulting from this activity and enter the data into associated Hanford Site geophysical logging databases.
- Prepare and submit required reports.

#### **C.2.4.4.4 Treatability Tests**

##### General Scope:

The Contractor shall conduct treatability tests.

##### Detailed Scope and Requirements:

The Contractor shall:

- Perform treatability tests as specified in the *Deep Vadose Zone Treatability Test Plan*; and
- Conduct investigative activities associated with application of new methods for characterizing, remediating, and monitoring groundwater, vadose zone, and waste sites.

#### **C.2.4.4.5 Ecological Sampling**

##### General Scope:

The Contractor shall conduct ecological sampling to support on-going CERCLA remedial action decision processes.

Ecological Sampling work shall be coordinated with and approved by the regulators (U.S. Environmental Protection Agency and State of Washington Department of Ecology) and openly discussed and vetted with the stakeholder community, Tribal Nations, and the Natural Resource Trustee Council for the Hanford Site.

Detailed Scope and Requirements:

The Contractor shall:

- Conduct ecological sampling on the Hanford Site and at reference sites to support the *Central Plateau Remedial Investigation/Feasibility Study* and Proposed Plan CERCLA processes. The Contractor shall perform this activity in accordance with the sampling protocol established for the *Central Plateau Ecological Risk Assessment*.
- Conduct ecological sampling, as required, to augment sampling conducted by other Hanford Site contractors along the Columbia River Corridor.

**C.2.4.5 Groundwater Monitoring, Assessment and Reporting**

General Scope:

The Contractor shall monitor Hanford Site groundwater conditions, as required, to meet regulatory and DOE requirements. The Contractor shall perform or arrange for on-site and off-site analysis for groundwater, soil vapor, surface water, and other related samples. The Contractor shall perform data assessment/reporting to meet regulatory and DOE requirements for groundwater monitoring and remediation and to allow continued operation of Hanford waste management facilities.

Detailed Scope and Requirements:

The Contractor shall:

- Schedule and collect samples from approximately 2000 well trips per year;
- Schedule and collect samples from approximately 150 aquifer tubes per year;
- Schedule and perform approximately 1750 water level measurements from the monitoring well network per year;
- Conduct single well hydraulic tests as new wells are drilled;
- Conduct detailed multi-well hydrologic tests at two (2) locations per year for large scale aquifer properties;
- Conduct covariance analysis of sampling performance between wells. Use the results of this analysis to determine the continued effectiveness of individual wells for monitoring. Make recommendations to DOE for discontinuing the use of individual wells for monitoring when this analysis indicates it is no longer effective;
- Review, validate/verify, evaluate, and interpret hydrogeologic and groundwater chemistry data at the Hanford Site and report outliers and unusual conditions to DOE as discovered;
- Prepare and submit the *Annual Groundwater Monitoring Report* (Deliverable C.2.4.5-1) consistent with the established content and format, and provide input to the MSC for preparation of the annual *Site Environmental Report*;
- Prepare and submit required regulatory reports;
- Coordinate groundwater analysis requirements and data reporting with other Hanford Site contractors, including the RCCC and TOC; and

- Collect, interpret, and map water-level data for aquifers beneath the Hanford Site.

For analysis of approximately 13,000 analytical requests per year, the Contractor shall:

- Arrange for analysis of groundwater, soil vapor, surface water, and other related samples in accordance with applicable regulations and DOE directives;
- Provide sample shipping;
- Review and process sample results; and
- Enter sample analysis results into the Hanford Environmental Information System (HEIS) database.

#### **C.2.4.6 OU Decision Document Activities**

##### General Scope:

The Contractor shall obtain decision documents and prepare draft remedial design/remedial action work plans for all Hanford Site groundwater and Central Plateau waste site TPA-identified OUs.

##### Detailed Scope and Requirements:

The Contractor shall:

- Drill and sample soil borings and conduct other sampling activities to support OU characterization activities.
- Prepare, submit, and receive DOE and regulatory approvals for all documentation required to obtain decision documents for all Hanford Site groundwater and Central Plateau waste site TPA-identified operable units (Deliverable C.2.4.6-1).
- Prepare a *Draft Remedial Design/Remedial Action Work Plan* (RD/RAWP) for soil OUs within 180 days after the Record of Decision or other decision document is issued. The Contractor shall incorporate regulator comments in the draft, as appropriate. The Contractor shall integrate the remediation planning and design work with remediation work that is the responsibility of other Hanford contractors.
- Prepare a RD/RAWP for new groundwater remediation systems within 180 days after the Record of Decision or other decision document is issued for groundwater OUs.
- Provide support to DOE in the disposition and resolution of comments from regulators and stakeholders on decision, regulatory, and supporting documentation, including RD/RAWPs for soil and groundwater operable units. Prepare and submit revisions to these documents to reflect changes resulting from disposition and resolution of comments, as needed.
- Provide support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, approval, and defense of decision, regulatory, and supporting documentation.
- As requested by the Contracting Officer, review decision documents prepared by other Hanford contractors.

### **C.2.4.7 Remediation – Groundwater and Deep Vadose Zone**

#### General Scope:

The Contractor shall operate the existing groundwater and deep vadose zone remediation systems.

The Contractor shall install new systems as appropriate to implement final remedial actions for groundwater operable units and soil operable units associated with deep vadose zone.

#### Detailed Scope and Requirements:

The Contractor shall:

- Operate the following groundwater and deep vadose zone remediation systems in accordance with the RD/RAWP and as directed by the Contracting Officer:
  - ZP-1 Carbon Tetrachloride Pump and Treat System;
  - ZP-2 Carbon Tetrachloride Soil Vapor Extraction System;
  - UP-1 Uranium/Technetium Pump and Treat System (currently in standby);
  - K Area Chromium Pump and Treat Systems;
  - D Area Chromium Pump and Treat Systems;
  - D Area In Situ Redox Manipulation System;
  - H Area Chromium Pump and Treat System;
  - N Area Strontium Pump and Treat System (currently in cold standby);
  - N Area Apatite and Phyto-Remediation for Sr-90;
  - 300 Area Polyphosphate In Situ Immobilization of Uranium;
  - T Tank Farm Area Extraction of Technetium-99 with treatment at ETF; and
  - Bioremediation of D Area Chromium.
  -
- Identify and perform any up-grades to existing pump and treat, in-situ redox manipulation, and soil vapor extraction system(s) required to meet the remedial action objectives.

After completion of the remedial action decision process for groundwater operable units or as directed by the Contracting Officer, the Contractor shall:

- Install any additional groundwater and deep vadose zone remediation systems specified under Interim Action or Record of Decision documents; and
- Operate these systems as specified under the appropriate RD/RAWP.

With DOE concurrence, the Contractor shall decommission groundwater and vadose zone remediation systems which have achieved final remedial action objectives.

## C.2.5 Soil and Facility Remediation/Disposition

### Background:

The Central Plateau facilities/buildings include structures that are or have been used to support Hanford Site activities. These include the five canyon buildings (B, T, and U Plant Canyons, Plutonium Uranium Extraction [PUREX] Plant, and Reduction Oxidation [REDOX] Canyon); large material processing, storage, or handling facilities and the liquid tank waste evaporators; industrial buildings and general purpose buildings such as offices, shops, trailers, and water tanks. Structures may be above ground or below ground or both, and consist of facilities and/or buildings, stacks, and diversion boxes that are not in a facility or building. A significant number of these structures are not generally contaminated with radioactive materials, but may have some incidental contamination from proximity to other facilities, and rodent, bird, or insect migration. These structures also may contain some hazardous substances such as asbestos. The remaining structures contain residual radioactive material and hazardous chemicals from processing, storage, and handling activities. These facilities are either operational or being maintained under a S&M program.

The Central Plateau contains waste sites that were contaminated with radioactive and other hazardous materials as a result of past Hanford Site operations. These waste sites were grouped into process-based OUs and identified in Appendix C of the TPA for remedial investigation and remedial action decision-making purposes. The Section J Attachment entitled, *Hanford Waste Site Assignment List*, provides a list of waste sites identified by OU.

For remediation purposes, site structures and waste sites were grouped into geographical zones as indicated in the list of structures and waste sites included in the Section J Attachments entitled, *Hanford Site Structures List* and *Hanford Waste Site Assignment List*, respectively.-

Pipelines and related ancillary equipment that were used to route waste between facilities, underground tanks, and waste sites are being identified and mapped to the appropriate disposition decision pathway and geographical zone.

### C.2.5.1 Facility and Waste Site Minimum-Safe Operations

#### General Scope:

The Contractor shall perform surveillance and system, structural and other maintenance on:

- Assigned Hanford Site structures and waste sites identified in the Section J Attachments entitled, *Hanford Site Structures List* and *Hanford Waste Site Assignment List*, respectively,
- Inactive Central Plateau steam lines, and their associated underground injection control wells (UIC)s, not within the boundaries of structures identified in the Section J Attachment entitled, *Hanford Site Structures List*, or operational areas (e.g., high level waste tank farm).

#### Detailed Scope and Requirements:

The Contractor shall:

- Maintain a graded S&M program consistent with the condition of the individual facilities,

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Note: The phrase "or current version" refers to the current version of the applicable DOE Order or directive which is listed in Section J, Attachment J.2

buildings and/or waste sites; the hazards identified through Integrated Safety Management and other appropriate analyses; and the plans for closure.

- Perform S&M activities as required to maintain minimum safe and other conditions (e.g., requirements to support personnel occupancy in those buildings that are occupied or otherwise being used) in accordance with applicable laws, regulations, and documented safety analyses.
- Make appropriate decisions on maintenance and upgrade of facility/building support equipment and systems, including decisions to run-to-failure, based on the need for use of the facility/building to perform work under this Contract and maintain required regulatory monitoring systems.

### **C.2.5.2 Facility OU Decision Document Activities**

#### General Scope:

The Contractor shall obtain decision documents necessary to establish disposition decisions for assigned facilities/buildings.

#### Detailed Scope and Requirements:

The Contractor shall:

- Prepare, submit, and receive approvals for all regulatory and other supporting documentation required to establish disposition decisions for assigned Hanford Site structures identified in the Section J Attachment entitled, *Hanford Site Structures List*. Facility/building disposition decisions shall be integrated and compatible with groundwater and waste site disposition decisions.
- Provide support to DOE in the disposition and resolution of comments from regulators and stakeholders on decision, regulatory, and supporting documentation for facility/building disposition. Prepare and submit revisions to these documents as needed to reflect changes resulting from disposition and resolution of comments.
- Provide support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, and approval of regulatory and supporting documentation.

### **C.2.5.3 Remediation Optimization**

#### General Scope:

The Contractor shall prepare and submit a plan for sequencing and structuring the content of Records of Decision and other disposition decision documents for facility/building and waste site elements contained in geographical zones.

The Contractor shall prepare, submit, and maintain a plan for sequencing all geographical zone remediation activities.

The Contractor shall prepare a *Conceptual Design Report* (as defined in DOE O 413.3A [or current version] and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* [or current version], Chapter 5, for an environmental remediation project) for each geographical zone. The *Conceptual Design Report* shall support closure or other disposition of each

facility/building and waste site element contained within the geographical zone.

Detailed Scope and Requirements:

The Contractor shall:

- Prepare and submit a plan for sequencing and structuring the content of Records of Decision and other disposition decision documents for facility/building and waste site elements contained in geographical zones (Deliverable C.2.5.3-1). The plan shall identify the grouping and sequence of Records of Decision and other disposition decision documents for facility/building and waste site elements contained within OUs that optimizes establishing disposition decision documents for facility/building and waste site elements contained within geographical zones against planning, design and initiation of field remediation and other disposition activities leading to zone closure.
- Prepare and submit a plan for sequencing geographical zone remediation activities that results in the most effective use of resources when considering equipment procurement and staging, workforce mobilization/demobilization, workforce leveling, workforce skill-mix, and other remediation/disposition project execution parameters (Deliverable C.2.5.3-2). Revise and submit the plan as disposition decision documents are received if they impact the conclusions presented in the geographical zone remediation sequence plan.
- Support DOE in discussions with regulators to sequence decisions and remediation activities consistent with a geographical zone remediation approach.
- Identify appropriate sections of OU Records of Decision, OU Draft A Remedial Design/Remedial Action Work Plan packages, and other disposition decision documents associated with and applicable to the individual facility/building and waste site elements contained in geographical zones.
- Use the identified disposition decision documents to prepare and submit for DOE approval, a Conceptual Design Report (as defined in DOE O 413.3A [or current version] and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* [or current version], Chapter 5, for an environmental remediation project) for each Central Plateau geographical zone, except for zone 21, *Integrated Disposal Facility*; zone 23, *100 Area*; and zone 25, *300 Area*. (Deliverable C.2.5.3-3). The Conceptual Design Report shall address closure or other disposition of each facility/building and waste site element contained within the geographical zone. The Conceptual Design Report shall be prepared to support initiation of zone closure sub-projects.

**C.2.5.4 Remediation – Closure**

General Scope:

As authorized by the Contracting Officer, the Contractor shall complete field remediation and other disposition activities for zone closure sub-projects or other identified facilities, buildings, and/or waste site elements contained within geographical zones.

The Contractor shall prepare and submit all regulatory and other documentation required to document the completion of geographical zone closure. The Contractor shall complete all Critical Decision-4 (CD-4), *Project Closure* actions (as defined in DOE O 413.3A [or current version] and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* [or current version]) required to transition a geographical zone from the DOE Office of

Environmental Management to the DOE Office of Legacy Management.

Detailed Scope and Requirements:

As authorized by the Contracting Officer, the Contractor shall complete field remediation and other disposition activities identified for facility/building and waste site elements for the following geographical zones:

- U Plant Zone;
- NRDWL/BC Control Zone;
- PFP Zone;
- Semi-Works Zone;
- 200W Ponds Zone; and
- PUREX Zone.

The Hanford Site structures and waste sites included in each zone are identified in the Section J Attachments entitled, *Hanford Site Structures List*, and *Waste Site Assignment List*, respectively.

For each zone authorized, the Contractor shall:

- Prepare, if necessary, revised *Remedial Design/Remedial Action Work Plans* and any other required regulatory documentation, and submit to DOE for approval.
- Complete remediation and other disposition activities in accordance with all actions and requirements contained in regulatory and supporting documentation applicable to each zone. All final remedial actions and other disposition actions shall be completed as required to close and transition the geographical zone from EM to LM.
- Prepare documentation and otherwise support DOE in obtaining a Certificate of Completion of associated disposition actions in accordance with the TPA.
- Submit a Critical Decision-4 package meeting the requirements of DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version) and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* (or current version) for DOE approval.
- Conduct a separate closure review with independent experts for each geographical zone to determine implemented remedies meet the required action objectives and goals in Records of Decision and other disposition decision documents.
- Submit a document package for the geographical zone that meets the content requirements for a *Hanford Site Transition Plan* (as defined in an EM/LM Joint Memorandum, *Development of Site Transition Plan, Use of the Site Transition Framework, and Terms and Conditions for Site Transition*, dated February 15, 2005) and any other applicable requirements for DOE approval.
- Transition the zone to Post-Remediation Activities (SOW Section C.2.5.5).

As directed by the Contracting Officer, the Contractor shall remediate specific waste sites or disposition specific facilities within any geographical zone as required to support reducing risk to human health or the environment, or to reduce facility/waste site oversight costs.

The Contractor shall make provisions for safe transport of borrow pit material needed to construct barriers in support of geographical zone remediation.

### **C.2.5.5 Post Remediation Activities**

#### General Scope:

The Contractor shall perform post remedial actions for waste sites, structures, or geographical zones.

#### Detailed Scope and Requirements:

The Contractor shall:

- Maintain institutional controls and perform operations, maintenance and monitoring activities for all completed Central Plateau remedial actions in accordance with regulator approved Operation and Maintenance (O&M) Plans and Records of Decision.
- Perform other required monitoring, operations, and maintenance activities identified in other disposition decision related documents.
- Evaluate the continuing protectiveness of completed remedial actions and identify potential actions to address completed remedial actions that are determined to be not protective of human health and the environment. Document the results of this evaluation and any recommended actions for inclusion in a CERCLA 5-Year Review Report and submit the information to DOE.
- Support DOE in obtaining regulatory approval for corrective actions required to establish conditions that are protective of human health and the environment.
- Complete corrective actions identified that fall within planned maintenance activities presented in approved O&M Plans.
- Implement corrective actions that fall outside planned maintenance activities presented in approved O&M Plans after authorization from the Contracting Officer.

### **C.2.6 Fast Flux Test Facility**

#### Background:

The Fast Flux Test Facility (FFTF) was a 400-MWt sodium-cooled reactor plant designed for testing nuclear reactor fuels and materials.

#### **C.2.6.1 Maintain Safe and Compliant FFTF Complex**

##### General Scope:

The Contractor shall maintain worker/public health and safety in accordance with all applicable safety and regulatory requirements.

Detailed Scope and Requirements:

The Contractor shall maintain the FFTF Project facilities with all applicable safety and regulatory requirements and consistent with the work direction established by Section C.3.1.2.2. Following approval of the FFTF Surveillance and Maintenance Plan, the Contractor shall perform S&M in accordance with the Plan and all applicable safety and regulatory requirements.

The Section J Attachment entitled, *Hanford Site Structures List*, identifies the FFTF Project facilities that the Contractor is responsible for maintaining in a safe and compliant condition.

**C.2.6.2 FFTF Shutdown Activities**

General Scope:

The Contractor shall deactivate appropriate FFTF plant systems and components and remove potential hazards to place the facility in a minimum-safe surveillance and maintenance mode.

Detailed Scope and Requirements:

The Contractor shall systematically shutdown appropriate systems, components and facilities to achieve deactivation of FFTF and support facilities consistent with the work direction established by Section C.3.1.2.2. The Contractor shall de-energize systems and drain all system fluids to the maximum extent practicable.

The Contractor shall remove remaining polychlorinated biphenyl (PCB) transformers.

**C.2.7 100 K Area**

Background:

The 100K Area consists of the area on the Hanford Area where the K East and K West reactor buildings and their support facilities are located. While the reactors were deactivated in the 1970-1971 timeframe, their fuel storage basins continued to operate and, since early 1975, were used to store irradiated fuel elements from the N-Reactor. Removal of fuel from the basins was completed in October 2004.

**C.2.7.1 Maintain Safe and Compliant K Basin Facilities**

General Scope:

The Contractor shall operate and maintain assigned K Basin facilities in a safe, compliant, energy-efficient, and cost effective manner, in accordance with the approved authorization basis.

Detailed Scope and Requirements:

The Contractor shall:

- Conduct operations, surveillance, and maintenance for assigned 100 K Area structures, waste sites, and equipment, in accordance with the approved authorization basis;
- Prepare and package waste streams for disposition, as required, and dispose, as appropriate;
- Maintain radiological and access controls to ensure personnel safety; and
- Provide safe and compliant storage of SNF at K Basins until it has been removed.

**C.2.7.2 KE Basin Demolition**

General Scope:

The Contractor shall complete demolition and disposal activities of the K East basin.

Detailed Scope and Requirements:

The Contractor shall:

- Demolish the K East basin and transport to ERDF for disposal; and
- Stabilize soil beneath the basin for subsequent remediation.

**C.2.7.3 K Basins Sludge Treatment System**

General Scope:

The Contractor shall design, procure, construct, and perform acceptance testing of the K Basins Sludge Treatment System.

Detailed Scope and Requirements:

The Contractor shall:

- Conduct alternatives analysis for the sludge disposition;
- Complete sludge treatment and approved storage design;
- Complete sludge treatment system and post-packaging components procurements;
- Complete construction of the Sludge Treatment System and associated facilities; and
- Obtain Critical Decisions as defined in DOE O 413.3A (or current version).

#### **C.2.7.4 K Basins Sludge Treatment**

##### General Scope:

The Contractor shall operate the Sludge Treatment System to treat and package the sludge material (approximately 29 m<sup>3</sup>) into a waste form that is suitable for approved disposal. Treated sludge shall be transported to an approved on-site storage location.

##### Detailed Scope and Requirements:

The Contractor shall treat K Basins sludge in accordance with the documented safety analysis, Defense Nuclear Facilities Safety Board (DNFSB) Recommendation 2000-1 Implementation Plan, *An Implementation Plan for Stabilization and Storage of Nuclear Material*, Washington State-approved permits, the TPA, and related-CERCLA documents.

The Contractor shall treat and package the knock-out pot sludge waste stream separately from the remaining sludge waste streams.

The Contractor shall transport the treated sludge to an approved storage location.

#### **C.2.7.5 KW Basin Demolition**

##### General Scope:

The Contractor shall complete demolition and disposal of the K West basin.

##### Detailed Scope and Requirements:

The Contractor shall:

- Deactivate K West basin systems and isolate from 105 K West reactor;
- Remove/drain K West basin water and transport to 200 ETF for treatment;
- Remove and dispose of above-grade facility superstructure;
- Demolish the K West basin and transport to ERDF for disposal; and
- Stabilize soil beneath the basin for subsequent remediation.

#### **C.2.7.6 Place K Reactors in Interim Safe Storage (ISS)**

##### General Scope:

The Contractor shall place both K East and K West reactor buildings into an ISS configuration in accordance with all actions and requirements contained in the regulatory and supporting documentation.

Detailed Scope and Requirements:

The Contractor shall:

- Place and maintain the K East and K West production reactors in ISS status in accordance with the actions and all regulatory requirements established in the regulatory and supporting documentation;
- Complete deactivation, decontamination, decommissioning, and demolition (D4) activities up to the reactor shield wall/block, and remove associated above ground and underground structures and other systems outside of the reactor shield wall/block; and
- Complete required characterization and analysis.

The reactors will remain in ISS status after the period of performance of this Contract, and the Contractor shall transition the reactors to a successor contractor at the end of the Contract.

**C.2.7.7 100 K Area Structures and Waste Sites**

General Scope:

The Contractor shall complete field remediation and other disposition activities for assigned structures and waste sites contained within the 100 K Area.

The Contractor shall prepare and submit all remaining regulatory and other documentation required to document the completion of 100 K Area closure. The Contractor shall complete all Critical Decision-4 (CD-4), *Project Closure*, actions (as defined in DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* [or current version]) required to transition the 100 K Area from the DOE Office of Environmental Management to the DOE Office of Legacy Management.

Detailed Scope and Requirements:

The assigned structures and waste sites included in the 100 K Area are identified in the Section J Attachments entitled, *Hanford Site Structures List*, and *Waste Site Assignment List*. In addition to the K East and K West reactor buildings addressed above, the Contractor shall complete field remediation and other disposition activities identified for the remaining 100 K Area structures and waste sites.

The Contractor shall:

- Prepare a final *Remedial Design/Remedial Action Work Plan* and any other required regulatory documentation, and submit to DOE for approval.
- Complete remediation and other disposition activities in accordance with all actions and requirements contained in regulatory and supporting documentation. All final remedial actions and other disposition actions shall be completed as required to close and transition the 100 K area from the DOE Office of Environmental Management to the DOE Office of Legacy Management.
- Prepare documentation and otherwise support DOE in obtaining a Certificate of Completion of associated disposition actions in accordance with the TPA.

- Submit a Critical Decision-4 package meeting the requirements of DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version) and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* for DOE approval (or current version).
- Conduct a separate closure review with independent experts to determine implemented remedies meet the required action objectives and goals in Records of Decision and other disposition decision documents.
- Submit a document package for the 100 K Area that meets the content requirements for a *Hanford Site Transition Plan* (as defined in an DOE Office of Environmental Management/DOE Office of Legacy Management Joint Memorandum, *Development of Site Transition Plan, Use of the Site Transition Framework, and Terms and Conditions for Site Transition*, dated February 15, 2005) and any other applicable requirements for DOE approval.
- Transition the 100 K Area to Post-Remediation Activities (SOW Section C.2.5.5).

### **C.2.8 618-10 & 618-11 Burial Ground Remediation**

#### General Scope:

As authorized by the Contracting Officer, the Contractor shall initiate and complete field remediation and other waste disposition activities for the 618-10 and 618-11 burial grounds, in the event that these activities are not completed under the RCCC.

#### Detailed Scope and Requirements:

At the direction of the Contracting Officer, the Contractor shall accept the 618-10 and 618-11 burial grounds from the RCCC.

The Contracting Officer will separately and specifically authorize the major activities identified below for remediation of the 618-10 and 618-11 burial grounds.

Following acceptance, when authorized the Contractor shall:

- Complete any required characterization or confirmatory sampling and analysis activities.
- Prepare and submit a Remedial Design package for DOE approval. Disposition of the 618-10 and 618-11 burial grounds was addressed under the 300-FF-2 Record of Decision. The Remedial Design will fulfill all requirements and comply with any constraints identified in this and other applicable regulatory documents. The Remedial Design package shall include:
  - Analysis of all characterization and confirmatory sampling, other field investigation activities, previous remedial design development work, and other applicable historical information.
  - Identification and analysis of potential retrieval and packaging technologies that could be applied to remediation of the burial grounds.
  - Identification of the technology selected for retrieval and packaging of waste materials with a supporting engineering analysis and design for application of the technology to burial ground remediation.
  - Identification of proposed waste disposal pathways for material retrieved during remediation of the burial grounds and an analysis that determines the material as

treated and/or packaged will comply with all applicable transportation and waste acceptance criteria.

- Identification of any required Government-Furnished Services and Information needed to support remediation of the burial grounds.
- Estimate of cost and a proposed schedule for remediation of the burial grounds.
- Other information needed to meet the requirements of DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* (or current version).
- Complete any required Engineering Evaluation/Cost Analysis (EE/CA), Removal Action Work Plans (RAWP), and any other required regulatory documentation.
- Complete field remediation activities in accordance with all actions and requirements established in applicable regulatory and supporting documentation.
- Prepare documentation and otherwise support DOE in obtaining a Certificate of Completion of associated disposition actions in accordance with the TPA. Provide support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, and approval of regulatory and supporting documentation.

### **C.3 DESCRIPTION OF PROJECT SUPPORT PERFORMANCE REQUIREMENTS**

The Section includes project support activities not identified in other Sections of the Contract. One of the purposes of this Section is to assist in describing the specific responsibilities of the PRC within Hanford cross-cutting programs.

#### **C.3.1 Project Management**

The Contractor shall provide all management and technical information to:

- Meet the requirements of DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version) and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* (or current version);
- Support the budget formulation activities including, but not limited to emerging work items list; budget formulation input (including Integrated Priority List), fall limited budget update submission, budget scenario development, and, budget presentations (such as public and regulatory briefings, etc.);
- Meet the data requirements of the DOE Integrated Planning, Accountability and Budgeting System;
- The Contractor shall maintain a standard set of activity codes in the baseline schedules. The standard set of activity codes shall be developed by the Contractor and approved by DOE.
- Support audits, evaluations, and external technical reviews; and
- Support other DOE project performance assessments and information needs.

All project management information developed under this Contract shall be accessible electronically by DOE.

### C.3.1.1 Project Integration and Control and Earned Value Management

The Contractor shall prepare and submit for DOE approval (Deliverable C.3.1.1-1), a *Project Execution Plan* (PEP), consistent with the requirements in DOE O 413.3A (or current version), and DOE M 413.3-1 (or current version). The PEP shall describe the approach for managing and controlling all activities necessary to execute this Contract and shall focus on Contractor policies, methods, and approach to provide integration and control of scope, schedule and cost information.

The Contractor shall provide as an attachment to the PEP, a *Project Control System Description* that complies with the requirements of DOE O 413.3A (or current version), DOE M 413.3-1 (or current version), and American National Standards Institute (*ANSI*)/Electronic Industries Alliance (*EIA*)-748-B *Earned Value Management Systems (EVMS)* (or current version).

The *Project Control System Description* shall describe the management processes and controls that shall be used to implement an EVMS, manage and control work, and complete Contract requirements. The *Project Control System Description* shall include:

- The baseline development process and the hierarchy of documents that shall be used to describe and maintain the PRC Performance Measurement Baseline (PMB) (See Section C.3.1.2.1, *Performance Measurement Baseline*);
- The process the Contractor intends to use for earned value management, change control, configuration control, interface control, and document control;
- The organizational breakdown structure, including roles and responsibilities of each major organization and identification of key management personnel; and
- A list of project software the Contractor proposes to use for project control.

The Contractor shall comply with the requirements of the Section I Clause entitled, *FAR 52.234-4, Earned Value Management System*, and have the EVMS evaluated against the ANSI standard by a qualified, independent third party selected by the DOE Office of Engineering and Construction Management (DOE-OECM). Upon completion of the evaluation and closure of all corrective actions, DOE-OECM will certify the Contractor's EVMS as compliant with the ANSI standard. Subsequent to the initial evaluation and certification, DOE-OECM may at any time require the Contractor to repeat the evaluation and certification process. The Contractor shall provide all necessary support to conduct the initial and any subsequent evaluations and closure of all corrective actions.

The Contractor shall flow down EVMS requirements in accordance with the Section I Clause entitled, *FAR 52.234-4, Earned Value Management System*.

Upon DOE approval of the PEP, the Contractor shall fully implement the *Project Control System Description*. The Contractor shall obtain Contracting Officer approval prior to implementing materially significant changes to the PEP. The Contractor shall provide DOE with access to all pertinent records, data, and plans for purposes of initial approval, approval of proposed changes, and the ongoing operation of the project control system.

### C.3.1.2 Project Scope, Schedule, and Cost Baseline

#### C.3.1.2.1 Performance Measurement Baseline

The Contractor shall develop and maintain a PRC Project Performance Measurement Baseline (PMB). The PMB is an integrated and traceable technical scope, schedule, and cost life-cycle baseline that encompasses all activities to execute the requirements of this Contract and complete Central Plateau remediation and closure.

The PMB shall include the following:

- Technical Scope. The following baseline documents shall be viewed collectively as the technical scope for the cost/schedule control system:
  - Contract *Statement of Work* and other Sections that define work scope and requirements;
  - Waste Site and Facility Lists;
  - Approved interface control documents;
  - WBS Dictionary Sheets required to a WBS level to be determined by DOE. (The WBS submittal shall include a data column which cross references the WBS elements at the lowest level to the appropriate CLIN);
  - Schedule at a WBS level to be determined by DOE; and
  - Time-phased, life-cycle cost estimate at a WBS level to be determined by DOE.

The PMB shall comply with the following requirements:

- The scope, cost, and schedule shall be linked through utilization of the WBS provided by DOE or as otherwise approved by DOE. The WBS shall provide the structure for all project control system components, including estimating, scheduling, budgeting, and project performance reporting, as required under this contract. Control accounts within the WBS shall be identified.
- The baseline and management thereof shall comply with *ANSI/EIA-748-B Earned Value Management Systems (EVMS) (or current version)*, DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets (or current version)* and DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets (or current version)*.
- The schedule shall:
  - Include all significant external interfaces, all TPA milestones, other regulatory and DNFSB commitments, and GFS/I dependencies.
  - Be an integrated, logical network-based plan that correlates to the WBS and is vertically traceable to the EVMS control accounts. The schedule shall be capable of summarizing from control accounts to higher WBS levels.
- Any additional working level schedules deemed necessary by the Contractor shall be integrated with the PMB and able to provide earned value reporting in compliance with *ANSI/EIA-748-B Earned Value Management Systems (EVMS) (or current version)*.
- The cost estimate shall include project resource plans, detailed resource estimates, basis of estimates, budgetary requirements, and identification of direct costs, indirect costs, management reserve, and fee.
- The method used to determine earned value shall be identified for each control account.

- The baseline shall be accessible to DOE at any time through access to electronic files.
- The Contractor shall update the PRC Enterprise Project Structure Node of the DOE Primavera Schedule Database with the Primavera XER files for the baseline and current performance schedules.
- The PMB shall integrate with
  - Financial system(s) for consistency and accurate reporting of information with traceability to budget and report codes;
  - DOE, Congressional, and external commitments; and
  - Performance milestones including contract performance incentives and other performance measures established by DOE.

#### **C.3.1.2.2 Performance Measurement Baseline Submittals**

Prior to the completion of the Transition Period, DOE will provide work scope direction that will be in effect from initiation of the *Base Period* until DOE approval of the Contractor's initial *Performance Measurement Baseline* submittal.

The Contractor shall develop and submit an initial PMB (Deliverable C.3.1.2.2-1) with subsequent annual updates (Deliverable C.3.1.2.2-2) for DOE approval through the baseline change control process. The initial PMB and subsequent updates shall include:

- A working-level of detail for the current period through up to three fiscal years as directed by DOE to support submittal of the next budget, including sufficient detail to govern execution of the contract work scope for that period.
- A planning level of detail which starts with the next fiscal year and addresses contract work scope and the remaining Central Plateau life-cycle, including sufficient detail to support budget submittals and out-year planning.
- Sufficient detail through the upcoming five year period to support DOE External Independent Review.

The PMB submittal shall include both hard copies and electronic files for the:

- WBS and WBS Dictionary Sheets at the level in which the costs are collected. The WBS submittal shall include a cross-reference of the WBS elements to the assigned CLIN consistent with the *Contract Line Item Number Assignment Against Contract Structure* table in the Section J Attachment J-11, entitled *Supplemental Work Description Tables*.
- Time-phased cost estimate at a WBS level to be determined post-award by DOE.
- Basis of estimate at a WBS level to be determined post-award by DOE.
- Time-phased resource-loaded schedule at a WBS level to be determined post-award by DOE.

The Contractor shall provide the WBS, WBS dictionary data, and basis of estimate data in either Microsoft Word<sup>®</sup> or Microsoft Access<sup>®</sup> format. Cost data shall be provided in Microsoft Access<sup>®</sup> or Excel<sup>®</sup> format and the schedule shall be provided utilizing the current version of Primavera Systems, Inc., Enterprise for Construction<sup>®</sup> software unless agreed to otherwise by DOE.

Approval of the initial baseline, annual updates, or approved baseline changes shall constitute

DOE authorization for specific work scope in CLIN 3 and any work to be authorized in CLIN 4.

The Contractor shall provide additional data that may be required by the MSC for development of the Hanford Site-wide life-cycle baseline.

The Contractor shall support DOE External Independent Review and Energy Systems Acquisition Advisory Board (ESAAB) review of the initial submittal of the PMB and follow-on reviews of annual updates.

#### **C.3.1.2.3 Performance Measurement Baseline Change Control Process**

The PMB change process shall be sufficiently rigorous and disciplined to ensure that the PMB is accurate, up-to-date and capable of providing meaningful data and information.

The Contractor shall:

- Develop and submit for DOE approval, a *PRC Performance Measurement Baseline Change Control Process* document (Deliverable C.3.1.2.3-1) with change authorities consistent with the approved *Project Execution Plan* and DOE O 413.3A *Program and Project Management for the Acquisition of Capital Assets* (or current version).
- Implement the *Project Baseline Change Control Process* with the PMB used as the reference for all baseline changes.

The Contractor baseline change control process shall be consistent with the DOE change control process and shall reflect levels of approval for actions with DOE thresholds and any constraints on moving funds from one PBS to another.

#### **C.3.1.3 Project Performance Reporting**

The Contractor shall provide DOE with the necessary project performance information to support budget planning, execution, and reporting; project planning and execution; audit and evaluation; and other DOE performance assessment and information needs.

Contractors must submit monthly project performance data no later than CD-2 for projects having a total project cost greater than or equal to \$20M. The required project performance data include: ANSI/EIA-748 earned value; earned value time-phased incremental cost and quantity; management reserve; schedule; variance analysis; and risk management data. For firm fixed-price contracts, the required project performance data include: schedule activity and relationship; and cost and quantity data (budget, actual, Estimate to Complete [ETC] and Estimate at Completion [EAC]) by Work Breakdown Structure (WBS) and Organizational Breakdown Structure (OBS). Data must be submitted electronically via the Project Assessment and Reporting System II (PARS-II) in accordance with the current version of the "Contractor Project Performance Upload Requirements" document maintained by OECM. Unless OECM has granted a temporary exemption, all requested data must be submitted. Data must be loaded into PARS-II no later than 11 business days before the end of each month, or as otherwise stipulated by OECM, and must be current as of the previous month's accounting period closed. Reporting by the contractor may be required earlier than CD-2 as specified by the Contracting Officer.

### **C.3.1.3.1 Monthly Performance Report**

The Contractor shall submit and transmit to DOE a Monthly Performance Report representing the prior month's performance by the last Tuesday of each month (Deliverable C.3.1.3.1-1) with a copy submitted to HQ EM.

The Monthly Performance Report shall include a summary of overall contract performance and a separate report for each of the major projects at the PBS level.

The summary of overall Contract performance shall include:

- Key accomplishments;
- Analysis of funds expenditure, with projections for the Project by Fiscal Year and life of the Contract.
- A change control section that summarizes the scope, technical, cost, and/or schedule impacts resulting from any implemented actions; and that discusses any known or pending baseline changes and utilization of management reserve.
- Business structure information to demonstrate ongoing compliance with the requirements of the Section H clause entitled, Self Performed Work.
- EVMS information using the following OMB Contract Performance Report formats (DID-MGMT-81466):
  - Format 1, DD Form 2734/1, Mar 05, Work Breakdown Structure;
  - Format 2, DD Form 2734/2, Mar 05, Organizational Categories;
  - Format 3, DD Form 2734/3, Mar 05, Baseline;
  - Format 4, DD Form 2734/4, Mar 05, Staffing; and
  - Format 5, DD Form 2734/5, Mar 05, Explanations and Problem Analysis.

Each of the major project reports shall include:

- Project manager's narrative assessment including:
  - Significant accomplishments and progress towards completion of project goals and objectives; and
  - Key risks and challenges.
- Evaluation of safety performance (including Integrated Safety Management Systems [ISMS] metrics and all recordable injuries, lost-time injuries, and near-misses).
- Major issues including actions required by the Contractor and DOE
- Project Baseline Performance including:
  - Baseline schedule status, which reflects progress against the baseline and includes critical path analysis, performance trends, variance discussion(s), and potential issues related to TPA or DNFSB milestones.
  - Contract estimates-to-complete.
- Project Risk Assessment, including identification of critical risks, actions planned, and actions taken to address those risks, potential problems, impacts, and alternative courses of action, including quality issues, staffing issues, assessment of the effectiveness of actions taken previously for significant issues, or the monitoring results of recovery plan implementation.
- Actions required by DOE, including GFS/I and DOE decisions.

### **C.3.1.3.2 Project Review Meetings**

The Contractor shall participate in a monthly contract/project review and be prepared to address any of the information in the monthly report and other information as requested by DOE. A weekly contract or project status meeting shall be conducted at DOE request to provide interim updates and address issues.

### **C.3.1.4 Risk Management**

Risk and decision management activities shall be coordinated on a continuing basis with the DOE (as lead) and the other Hanford Site contractors. Contractor risk analysis information pertaining to “cross-cutting” decisions shall be communicated to DOE and other Hanford Site contractors, including agreement as to who should be the lead for managing each risk.

The Contractor shall implement a risk management process in compliance with the *Project Execution Plan*, DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version); and, DOE M 413.3-1, *Project Management for the Acquisition of Capital Assets* (or current version).

The Contractor shall provide a *Risk Management Plan* (Deliverable C.3.1.4-1) to DOE for approval. The plan shall identify the engineering and technology needs that are required to reduce the risk and uncertainty associated with the program or project, address scenario development, risk strategy, risk communication, risk analysis, and the recommended management reserve required to adequately address Contractor-controlled risk. The Plan shall include metrics to determine effectiveness.

### **C.3.1.5 Design, Procurement, Construction, and Acceptance Testing**

This Section applies to all capital asset construction activities performed as part of executing this Contract. In the context of this Section, the terms “acceptance testing” and “acceptance” refer to the Contractor’s testing and acceptance of PRC-related systems and equipment. The Contractor shall provide the necessary documents to support the critical decision process in DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version).

#### **C.3.1.5.1 Project Design**

- **Design Authority:** The Contractor shall act as the design authority unless otherwise determined in accordance with DOE O 413.3A (or current version), with duties to include developing design solutions, preparing all design media and documentation, maintaining the design basis, and performing design reviews.
- **Design Standards:** The Contractor shall submit for DOE approval a list of the standards to be used in the design of facilities and equipment (Deliverable C.3.1.5.1-1). The Contractor shall ensure that the project’s design meets all applicable standards, and that the list of applicable standards is maintained under configuration control. The Contractor shall integrate safety into the design process.
- **Design Reviews:** The Contractor shall conduct periodic design, constructability, and operability reviews. When directed by DOE, the Contractor shall facilitate independent DOE design reviews in support of the requirements of DOE O 413.3A (or current version), to demonstrate that the project will perform its intended functions and meets

requirements. The Contractor shall provide the design at the end of the three (3) design stages (conceptual, preliminary and final), or as otherwise directed by DOE, for DOE review. The Contractor shall resolve any comments resulting from these reviews with DOE.

- Release for Construction: Upon receipt of Critical Decision 3, *Approve Start of Construction*, and resolution of DOE comments, DOE will authorize the Contractor to release the design for construction.

### **C.3.1.5.2 Procurement, Construction, and Acceptance**

The Contractor shall prepare and submit a *Procurement, Construction, and Acceptance Testing Plan* for DOE approval, and update the Plan as required after initial submission (Deliverable C.3.1.5.2-1). The Plan shall include:

- Description of procurements, construction bids, and work packages;
- Construction management;
- Construction site management;
- Acceptance testing; and
- Descriptive linkage to the *Project Execution Plan* and the *Integrated Safety Management System Description*.

The Contractor shall procure all required material and equipment through the preparation of bid packages and solicitations; evaluating, awarding, and managing subcontracts; accepting subcontractor materials and equipment; and verifying subcontractor acceptance tests.

The Contractor shall submit a *Purchasing System* for DOE approval in accordance with the Section I Clause entitled, *Subcontracts* (Deliverable C.3.1.5.2-2).

The Contractor shall certify to DOE that construction has been initiated.

The Contractor shall maintain a construction inspection system and acceptance testing system, and perform such inspections and testing, as well as ensure that the work performed under the Contract conforms to Contract requirements. The Contractor shall maintain complete inspection and testing records and make them available to DOE. DOE shall be allowed to participate in acceptance testing and system turnover or may elect to use independent inspectors to participate in acceptance testing and system turnover. The Contractor shall develop and submit for DOE approval an integrated *Construction and Acceptance Testing Program* (Deliverable C.3.1.5.2-3) that includes the following elements:

- Verification and approval of all vendor drawings to assure conformity with the approved design and working drawings and specifications;
- Acceptance test plans and procedures for on-site Contractor/subcontractor inspection of construction workmanship, compliance with design drawings and specifications, management of the design construction changes, and criteria for acceptance of fabricated and constructed items; and
- Integrated construction acceptance test plans and inspection of construction to assure adherence to approved working drawings and specifications.

The Contractor shall prepare for DOE review and approval an *As-built Program Description* (Deliverable C.3.1.5.2-4). The as-built process and associated procedures shall identify:

- Description of the as-built process, including the role of DOE and the operations contractor. The operations contractor shall participate in acceptance of the as-built design, following construction, and commissioning;
- Drawing series to be as-built;
- Document control process for maintaining as-built; and
- Procedures for modification of the as-built.

During the construction and acceptance phase, the Contractor shall remain current on the process and facility as-built program. The Contractor shall report the status of the as-built program in accordance with the process defined in the *Procurement, Construction, and Acceptance Testing Plan*.

The Contractor shall provide all necessary labor, equipment, materials, test equipment, spare parts sufficient to maintain all structure, systems, and components in an operable condition, and other related resources for the acceptance testing program.

DOE, and other Hanford Site contractor personnel identified by DOE, shall be invited to participate in all construction project overview activities. Construction overview activities include any meeting that discusses significant issues associated with the establishment, development, and/or progress of the construction activities.

The Contractor shall certify to DOE that facility acceptance has been completed. Completion of facility acceptance is defined when all components and systems associated with the facility have been installed, functionally tested and the facility design as-built documents are complete in accordance with the *Procurement, Construction, and Acceptance Testing Plan*. Facility acceptance shall require acceptance of components and systems, including as-built design drawings.

The Contractor shall provide CD-4 documentation in accordance with DOE O 413.3A, *Program and Project Management for the Acquisition of Capital Assets* (or current version) and DOE Office of Environmental Management guidance.

### **C.3.2 Integrated Safety Management System**

The Contractor shall establish and maintain an Integrated Safety Management System (ISMS) in accordance with the requirements of the Section I Clause entitled, *Integration of Environmental, Safety and Health into Work Planning and Execution*, Section I Clause entitled, *Laws, Regulations, and DOE Directives*; and the Section B Clause entitled, *Conditional Payment of Fee, Profit and Other Incentives*.

The ISMS Description shall describe how ESH&Q is integrated into the Contractor's work planning and execution process; clearly communicate the roles, responsibilities, and authorities of line managers; hold line managers accountable for the performance of work in a manner ensuring protection of workers, the public, and the environment; and ensure quality work and products.

The Contractor shall formally adopt an existing ISMS Description prior to commencing work. This adopted Description shall be submitted to DOE for information (Deliverable C.3.2-1). The Contractor shall develop and submit for DOE approval its own ISMS Description, for ISM Phase I and Phase II verification at a later date (Deliverable C.3.2-2). The Contractor shall update the ISMS Description and obtain DOE approval annually or as required to reflect changing conditions and contractor responsibilities (Deliverable C.3.2-3). The ISMS shall include an integrated Environmental Management System (EMS) developed pursuant to the DOE O 450.1A, *Environmental Protection Program* (or current version).

The Contractor shall flow the applicable ISMS/ESH&Q requirements down to all levels of self-performed work and all tiers of subcontracted work performance, and promptly identify and correct areas of non-compliance and performance concerns on self-performed and subcontracted levels of work performance.

The Contractor shall pursue continuous improvement through the establishment, tracking, and annual updating of *ISMS/ESH&Q Performance Objectives, Measures, and Commitments* (Deliverable C.3.2-5).

### **C.3.2.1 Environmental Regulatory Management**

The Contractor shall establish an environmental program which is compliant with applicable laws, regulations, DOE directives (including DOE O 450.1, *Environmental Protection Program* [or current version]), and the Section H Clause entitled, *Environmental Responsibility*.

The Contractor shall provide MSC with the necessary support for MSC to:

- Develop an inclusive Site-wide Environmental Management System (EMS) Program Management Plan that complies with DOE O 450.1 (or current version);
- Perform Site-wide environmental permits/licenses responsibilities, including maintenance, application and reporting;
- Track, trend, and evaluate all Site-wide enforcement actions, compliance issues, and regulatory inspections conducted and planned at the Hanford Site;
- Provide Site-wide TPA technical support to DOE;
- Establish, manage, and maintain integrated Hanford Site Administrative Records and Public Information Repository.

The Contractor shall submit for DOE approval, an *Environmental Protection and Compliance Plan* (Deliverable C.3.2.1-1), which describes the current environmental protection and compliance framework, proposed changes to this framework, and the proposed approach to maintain compliance with the TPA and other regulatory permits and requirements throughout the duration of the Contract. The Contractor shall update the *Environmental Protection and Compliance Plan* and obtain DOE approval, annually or as required to reflect changing conditions and contractor responsibilities

The Contractor shall manage its facilities, waste management units, and operable units to assure compliance with environmental requirements and agreements. The Contractor shall integrate their environmental permitting and regulatory compliance activities with the Hanford site-wide permitting and compliance framework, including, but not limited to, the *Hanford Air Operating Permit and the Hanford Facility RCRA Permit* (WA7890008967).

The Contractor shall work with the MSC and other designated Hanford Site contractors in providing legally and regulatory required information associated with air and liquid effluent and other environmental permitting actions. The Contractor shall prepare, submit, and receive DOE and regulatory approvals for all additional regulatory and supporting documentation required to complete the work under this Contract.

The Contractor shall interface with the MSC and other designated contractors in providing legally and regulatory required air and liquid effluent and near facility environmental monitoring data. The Contractor shall collect, compile, and/or integrate air and liquid effluent monitoring data from operations and activities under their control. The Contractor shall compare the monitoring data with regulatory and/or permit standards applicable to their activities and/or operations and provide the data and analyses to the MSC or other designated contractors for use in preparing the mandatory state and Federal environmental reports for the Hanford Site, including the Hanford Site Environmental Report.

The Contractor shall provide all necessary support to DOE in executing its owner role with regulators and stakeholders in the preparation, submission, and approval of regulatory and supporting documentation. As part of this responsibility, the Contractor is encouraged to propose beneficial changes to the regulatory approach.

### **C.3.2.2 Nuclear Safety**

DOE will execute its nuclear safety responsibilities in accordance with DOE O 410.1 (or current version). The Contractor shall adopt existing DOE-RL approved safety basis documentation for PRC Hazard Category 1, 2 and 3 nuclear facilities. These safety basis documents shall be revised/updated within 12 months of award of the Contract and submitted to DOE-RL for approval.

The Contractor shall maintain, implement, and annually update (Deliverable C.3.2.2-1) the nuclear safety basis documents and analyses for its Hazard Category 1, 2, and 3 facilities in accordance with 10 CFR 830, Subpart B, *Nuclear Safety Management*.

For new Hazard Category 1, 2, and 3 nuclear facilities or major modifications to nuclear facilities, the Contractor shall develop new safety basis documents, including a preliminary documented safety analysis, documented safety analysis, and technical safety requirements that incorporate the expectations identified in DOE G 421.1-2, *Implementation Guide for Use in Developing Documented Safety Analyses to Meet Subpart B of 10 CFR 830 (or current version)*, and DOE G 423.1-1, *Implementation Guide for Use in Developing Technical Safety Requirements (or current version)*. The contractor shall integrate nuclear safety into the design process.

As required by 10 CFR 830.203, *Unreviewed Safety Question Process*, the Contractor shall formally adopt an existing USQ process prior to commencing work. This adopted process shall be submitted to DOE for approval (Deliverable C.3.2.2-2). The Contractor shall develop and submit for DOE approval its own USQ process at a later date (Deliverable C.3.2.2-3) that incorporates the expectations identified in DOE G 424.1-1A, *Implementation Guide for Use in Addressing Unreviewed Safety Question Requirements (or current version)*.

The Contractor shall maintain the nuclear safety basis documents under a configuration management program. The Contractor shall review new work scope against the documents prior to implementation using the DOE-approved USQ process, and obtain DOE approval on

necessary nuclear safety basis document changes prior to implementation.

The Contractor shall ensure that the safety related structures, systems, and components relied upon to meet the requirements of the nuclear safety basis documents are identified and maintained appropriate to their classification with sufficient reliability to enable timely performance of mission work.

### **C.3.2.3 Worker Safety and Health**

The Contractor shall implement a worker safety and health program that reduces or prevents occupational injuries, illnesses, and accidental losses by providing workers with a safe and healthful workplace. This program shall implement a structured, standards-based approach to planning and control of work including identification and implementation of worker safety and health standards and requirements that are appropriate for the work to be performed and for identifying and controlling related hazards, while facilitating the effective and efficient deliver of work. The program shall meet the requirements of 10 CFR 851, *Worker Safety and Health Program*.

The Contractor shall formally adopt an existing 10 CFR 851-compliant Worker Safety and Health Program prior to commencing work. This adopted Program shall be submitted to DOE for approval (Deliverable C.3.2.3-1). The Contractor shall develop and submit for DOE approval its own 10 CFR 851-compliant Worker Safety and Health Program at a later date (Deliverable C.3.2.3-2). The Contractor shall update the Worker Safety and Health Program and obtain DOE approval as required to reflect changing conditions and contractor responsibilities.

The Contractor shall promote a “Safety Conscious Work Environment” and “Human Performance Improvement” environment in which safety issues are promptly identified and effectively resolved, and in which employees are free to raise safety issues free of recrimination, harassment, intimidation, or other actions that induce peer pressure to not raise safety issues or otherwise create an environment where safety issues are not identified and resolved.

The Contractor shall document and implement a Radiation Protection Program as required by 10 CFR Part 835.101, *Radiation Protection Programs*. The Contractor shall formally adopt an existing Radiation Protection Program prior to commencing work. This adopted Radiation Protection Program shall be submitted to DOE for approval (Deliverable C.3.2.3-3). The Contractor shall develop and submit for DOE approval its own Radiation Protection Program at a later date (Deliverable C.3.2.3-4). The Contractor shall obtain DOE approval for updates to the Program, as required.

The Contractor shall formally adopt an existing Chronic Beryllium Disease Prevention (CBDP) Program prior to commencing work. This adopted Program shall be submitted to DOE for approval (Deliverable C.3.2.3-5). The Contractor shall support MSC development of a Site-wide CBDP Program in accordance with 10 CFR Part 850, *Chronic Beryllium Disease Prevention Program*. Upon DOE approval of the CBDP Program, the Contractor shall implement the Site-wide program.

Many of the Hanford Projects have achieved DOE Voluntary Protection Program (VPP) recognition at the Merit and STAR levels. The Contractor shall support and facilitate transition and maintenance of this achievement by the workforce until such time as the Contractor can apply for recognition as a new entity.

### **C.3.2.4 Quality**

Quality Assurance programs apply to all contract requirements and are not limited to environment, safety, and health functions. The Contractor shall develop documented Quality Assurance (QA) Program(s) that implement the following requirements:

- DOE O 414.1C, *Quality Assurance*;
- Code of Federal Regulation, Title 10, Part 830, *Nuclear Safety Management*, Subpart A, *Quality Assurance Requirements* (or current version);
- DOE/CBFO-94-1012, DOE Carlsbad Field Office, *Quality Assurance Program Description*, Revision 8, for WIPP-related activities (or current version); and
- DOE/RW-0333P, DOE Office of Civilian Radioactive Waste Management, *Quality Assurance Requirements and Description*, Revision 18 (or current version), for activities related to disposal at Yucca Mountain, including submission of Quality Assurance Status Report on Spent Nuclear Fuel Activities (Deliverable 3.2.4-5).

The Contractor shall formally adopt an existing:

- QA Program(s) prior to commencing work. This adopted Program(s) shall be submitted to DOE for *approval* (Deliverable C.3.2.4-1). The Contractor shall develop and submit for DOE approval its own QA Program(s) at a later date (Deliverable C.3.2.4-2). The Contractor shall obtain DOE approval for QA Program updates, as required.
- Assurance System Description prior to commencing work. This adopted Description shall be submitted to DOE for information (Deliverable C.3.2.4-3). The Contractor shall develop and submit for DOE approval its own Assurance System Description at a later date (Deliverable C.3.2.4-4).

### **C.3.2.5 Event Reporting and Investigation**

The Contractor shall report all environmental, safety, and health events and information as required in CRD M 231.1-1A, *Environment, Safety, and Health Reporting*; DOE O 450.1, *Environmental Protection Program*; and DOE O 5400.5, *Radiation Protection of the Public and the Environment*. The Contractor shall flow down the applicable reporting requirements to all levels of self-performed work and all tiers of subcontracted work performance. The Contractor shall consolidate all information and serve as a single point of reporting to DOE for all environmental, safety, and health events and information associated with the Contractor's work scope.

The Contractor shall support Type A and conduct Type B accident investigations for accidents occurring on all self-performed and subcontracted work activities, as required in CRD O 225.1A, *Accident Investigations*. The Contractor shall establish and maintain readiness to respond to an accident; respond to all accidents; mitigate potential accident consequences; assist in preserving, collecting, and processing information and evidence from the scene of the accident; and provide all necessary support required to investigate the accident and support an accident investigation board.

The Contractor shall develop and maintain an effective Lessons Learned Program to capture lessons learned from both internally and externally identified deficiencies and good practices. The Lessons Learned Program shall be rigorous and comprehensive such that the Contractor can demonstrate actions taken to address significant occurrences from both inside and outside

of the DOE complex. Lessons learned information should be targeted and made available to the personnel in the Contractor's organization actually conducting the type of work involved and most able to benefit from the information.

### **C.3.3 Security and Emergency Services**

#### **C.3.3.1 Safeguards and Security Management**

##### **C.3.3.1.1 Safeguards and Security Program Management**

The Contractor shall coordinate and interface with the MSC and its subcontractors who provide SAS services (e.g., Hanford Site access control, security police officers, vulnerability analysis, etc.).

The Contractor shall perform the following SAS program management functions:

#### ***SAS Program Planning, Oversight, and Administration***

The Contractor shall identify and coordinate their SAS operational planning activities with MSC operational planning activities on a Hanford Site-wide basis.

The Contractor shall provide SAS technical, cost, and schedule performance information to the MSC.

#### ***Security Conditions (SECON)***

The Contractor shall conform to and comply with the DOE SECON system.

The Contractor shall comply with any protective measure requirements that may be implemented in the event of a crisis or emergency, and/or in response to a malevolent or terrorist threat to any or all DOE facilities, assets, and personnel.

#### ***Site Safeguards and Security Plan and Other SAS Plans***

The Contractor shall provide information to the MSC in support of maintaining the Hanford *Site Safeguards and Security Plan* and other SAS plans.

#### ***Vulnerability Assessments***

The Contractor shall provide the necessary operational and technical expertise in support of the preparation of vulnerability assessments, security analyses, and special SAS studies and evaluations as identified by the MSC for the Hanford Site.

#### ***Design Basis Threat (DBT)***

The Contractor shall implement SAS actions, procedures, and/or processes as assigned by DOE that are necessary to comply with DOE DBT requirements. Overall DBT implementation actions and/or plans shall be consolidated and prepared by the MSC and approved by the DOE.

### **Performance Assurance**

The Contractor shall provide information to the MSC to support preparation of the Hanford Site-wide Performance Assurance Program Plan as part of the *Site Safeguards and Security Plan*.

### **Surveys, Reviews, and Assessments**

The Contractor shall provide operational and technical expertise, when requested, to support SAS surveys, reviews, assessments and/or SAS performance tests (e.g., force-on-force exercises) that are conducted by the MSC and/or DOE for SAS program elements.

The Contractor shall identify, implement, and close corrective actions for PRC deficiencies in accordance with the SAS corrective action management programs.

### **Facility Clearance and Registration**

The Contractor shall submit all required information to the MSC for facility clearance and registration actions.

### **SAS Training**

The Contractor shall identify SAS training needs for PRC staff and shall arrange, fund, and schedule training in accordance with applicable requirements.

### **SAS Awareness**

The Contractor shall comply with the requirements of the Hanford Security Awareness Program.

The Contractor shall maintain awareness of Hanford Site-wide security issues/topics and incorporate them into the Contractor's internal practices and procedures, as appropriate.

The Contractor shall implement supplementary SAS awareness activities and/or briefings (e.g., at staff and safety meetings across the Hanford Site) in coordination with Site-wide policies.

### **Classified Visits**

The Contractor shall submit required information to the MSC for Classified visits. The Contractor's Classified Visits Program or process shall ensure that only persons with the appropriate access authorizations and need-to-know receive access to classified information or matter in connection with visits involving the release or exchange of classified information or matter.

### **Deviations**

The Contractor shall identify, evaluate, and submit deviations to SAS requirements to DOE.

The Contractor shall coordinate with the MSC prior to submitting deviations to DOE. Deviation requests shall be applicable and unique to the project/program scopes of work, and submitted only when other means to meet requirements would not meet DOE SAS program objectives.

### **Incidents of Security Concern**

The Contractor shall develop and implement procedures and processes consistent with DOE requirements for addressing incidents of security concern.

The Contractor shall provide information and facility access to the MSC for investigation of security incidents. The Contractor shall develop and implement corrective actions. The Contractor shall provide information to the MSC to support administration of the Hanford Site Security Infraction Program.

#### **C.3.3.1.2 Physical Security**

The Contractor shall comply with the MSC security plans and DOE security plans/requirements.

The Contractor shall support the MSC in development or updating facility asset protection agreements for PRC facilities and shall conduct operations consistent with the agreements.

The Contractor shall submit through MSC for DOE review and approval any SAS arrangements or changes prior to operations commencing, or changing operations, or configurations that might alter the performance of existing SAS systems (e.g., limited/protected area boundaries, physical security configurations and associated hardware [sensors/cameras], patrol coverage and responses, safeguards methods or boundaries, entry/access control systems/procedures).

#### **C.3.3.1.3 Protective Forces**

The Protective Forces Function is comprised of select security elements (armed personnel, specialized equipment, tactical procedures, etc.) associated with physically protecting people and property on the Hanford Site. The MSC is responsible for the protective forces activities; however, there are many areas of facility operations management that interweave. The MSC Protective Forces function serves DOE, all Hanford Site contractors, and in particular facilities possessing critical safeguards and security interests (e.g., special nuclear material).

The Contractor shall support and integrate operational/business activities in conjunction with MSC Protective Forces in use at Hanford for the physical protection of SNM, classified materials, industrial assets, and mitigation and deterrence of radiological and toxicological sabotage events.

The Contractor shall manage their activities consistent with DOE-RL approved risk and vulnerability assessments, the SSSP, and other security plans and facility asset protection requirements coordinated by the MSC that involve the use of Protective Forces.

#### **C.3.3.1.4 Information Security**

The Information Security program encompasses the identification and protection of sensitive and classified information and matter. The scope shall include, but is not limited to: Classification, Classified Matter Protection and Control, Sensitive Information Management (e.g., OOU), and Operations Security (OPSEC)

The Contractor shall perform the following information security functions:

### **Operations Security**

The Contractor shall:

- Participate in and support Hanford Site-wide OPSEC Working and Awareness groups and perform the necessary management and support functions required for an effective OPSEC program.
- Provide support to the MSC OPSEC assessments of all Hanford Site facilities having Category I SNM and OPSEC reviews of all Hanford Site facilities that have the potential to process or store classified or sensitive information.
- Support the annual Site OPSEC threat assessment and preparation of the annual OPSEC plan.

### **Classified Matter Protection and Control**

The Contractor shall:

- Develop and maintain a system of procedures, facilities, and equipment to identify, protect, and control classified matter that is being generated, received, transmitted, used, stored, reproduced, or destroyed in accordance with DOE directives.
- Be responsible for asset protection reviews for facilities that contain classified matter and, in conjunction with the MSC, maintain an updated list of security containers, locations, and custodians.
- Continuously reduce unneeded classified matter; and report and support investigation of any and all potential or actual compromise of classified information.

### **Classification and Unclassified Controlled Nuclear Information (UCNI) Program**

The Contractor shall:

- Nominate a sufficient number of Derivative Classifiers and Reviewing Officials to be trained and approved by the MSC.
- Have appropriate classification and/or UCNI topical guidance available to organizations that are potential generators of classified and/or UCNI information.
- Provide for receipt and storage of classified documents from the MSC Classified Document Control Center.

Interface with the MSC and other on-site contractor management, as necessary, to inform employees of subject areas of a sensitive and/or potentially classified nature.

### **Official Use Only (OUO)**

The Contractor shall manage and implement an OUO information program consistent with the common Hanford Site-wide OUO information program policies including the following:

- Provide OUO education and awareness for all staff, and
- Review PRC documents released to the public or assigned a formal document number for OUO content.

### **Critical Infrastructure**

The Contractor shall maintain PRC information systems that are critical to the Hanford Site mission and shall protect these systems from internal and external threats in conjunction with the MSC SAS program.

#### **C.3.3.1.5 Personnel Security**

The Personnel Security function for Hanford involves processing thousands of uncleared and cleared badged employees, hundreds of Human Reliability Program (HRP) enrolled personnel, and numerous foreign nationals for visits and assignments. The MSC manages and conducts a centralized Personnel Security program for the Hanford Site on behalf of DOE.

The Contractor shall perform the following personnel security functions:

#### **Access Authorization (Clearance) Processing**

The Contractor shall:

- Request and obtain personnel security clearances and badges, including "Special Access" (e.g., SIGMA) from the MSC. The Contractor shall support the MSC in downgrading and terminating clearances as required.
- Support the MSC's processes for obtaining security badges, keys, proximity cards, etc., from terminating employees and support the MSC in removing such individuals from automated access control systems.
- Provide pre-employment/pre-clearance suitability investigations information to the MSC for PRC prospective and current employees.

#### **Human Reliability Program (HRP)**

The Contractor shall:

- Identify HRP positions necessary for the conduct of work consistent with 10 CFR 712, *Human Reliability Program*.
- Submit a request to the MSC for enrollment in the Hanford Site HRP program for personnel occupying those positions.
- Support and/or provide personnel information, training, and administration needs of the MSC in the management of the HRP program for the Contractor's enrolled HRP personnel.
- Take personnel actions, as necessary, based on HRP test results provided by MSC.

#### **Workplace Substance Abuse Programs**

The Contractor shall comply with requirements outlined in 10 CFR 707, *Workplace Substance Abuse Programs (WSAP) at DOE Sites*.

#### **Unclassified Foreign National Visits and Assignment (FNVA)**

The Contractor shall:

- Notify the MSC of potential foreign visitors or employees, prepare and submit security plans to the MSC for foreign national visitors to the Hanford Site before approval of the visit/assignment.
- Require FNVA training for Contractor personnel who host FNVA's.
- Conduct the FNVA in compliance with approved security plans.

### **Foreign Travel**

The Contractor shall administer Official Foreign Travel in accordance with CRD O 551.1C, *Official Foreign Travel*, including submittal of projections of potential foreign travel, and all official foreign travel requests packages to DOE for review and subsequent submittal to DOE-HQ for approval in accordance with established timeframes, prior to any official foreign travel (Deliverable C.3.3.1.5-1).

#### **C.3.3.1.6 Nuclear Material Control and Accountability (MC&A)**

The MC&A scope involves many metric tons of accountable nuclear material (i.e., Other, Source, and SNM) in various locations on the Hanford Site. The nuclear material attractiveness and quantities encompass the entire range described in DOE requirements (e.g., Category IVE highly radioactive spent nuclear fuel, to Category I quantities of plutonium in a variety of chemical forms and isotopic amounts). The MSC manages and conducts a centralized MC&A program for the Hanford Site on behalf of DOE.

The Contractor shall perform the following MC&A functions:

- Assign an individual that will serve as the contractor's MC&A single point-of-contact, independent of line operations, with responsibility and authority to affect implementation of MC&A requirements. This individual shall work with the Hanford Site MC&A Management Official within the MSC to provide oversight of accountable nuclear material in possession of the PRC.
- Support the MSC in preparation and maintenance of a *Hanford Site-Wide MC&A Plan*, administration of treaty related activities (e.g., IAEA), performance of safeguards occurrence investigation and reporting, and scheduling of periodic inventories consistent with the Contractor's project work schedules.
- Identify personnel requiring MC&A training provided by the MSC and coordinate training schedules with the MSC.
- Conduct on-the-job MC&A training specific to PRC facilities and systems.
- Request from the MSC:
  - Final authorization to move, ship, process, or store nuclear materials, including approval of shipper/receiver plans;
  - Final approval of Material Balance Area (MBA) Custodians;
  - Final determination of MBA categorizations; and
  - Final approval of MC&A related implementing procedures.
- Respond to MSC or DOE calls related to the MC&A program.

The Contractor's MC&A program shall include coordinating and integrating all aspects of

implementation with the MSC. The Contractor shall use the MSC for, but is not limited to:

- MC&A requirement interpretation with overall responsibility for the MC&A program;
- Training and qualification of all personnel performing MC&A functions (with the exception of specific facility/system on-the-job MC&A training);
- Nuclear materials accounting and reporting requirements for all nuclear materials both active and inactive (e.g., "V-RIS") and be responsible for the official nuclear material inventory, including discrepancy reconciliation;
- Statistical services;
- Purchasing, regulating, and managing MC&A-controlled forms and tamper indicating devices; and
- Nuclear materials measurement system approvals and measurement system control requirements for all MC&A nuclear materials measurement activities (e.g., monitoring measurement control information; collecting and analyzing measurement control information; calculating control limits and monitoring equipment performance against those limits, etc.).

The Contractor shall integrate MC&A requirements with other plans, projects/programs, and activities at all life-cycle stages and inform the MSC of such. The Contractor shall proactively take into account MC&A requirements, systems, and technologies in the planning, design, construction, and operation of new or renovated DOE facilities and activities.

#### **C.3.3.1.7 Cyber Security**

Unclassified computing at the Hanford Site is conducted on the Hanford Local Area Network (HLAN). The HLAN is the central electronic communications network that provides computing infrastructure to DOE and the majority of the prime contractors and subcontractors. The MSC manages and conducts a centralized cyber security program for the Hanford Site on behalf of DOE.

Classified computing at the Hanford Site is conducted on individual systems and isolated networks that are not inter-connected nor connected to the Internet.

The Contractor shall manage and execute cyber security responsibilities consistent with DOE requirements and the MSC centralized cyber security program to provide for confidentiality, integrity, and availability of cyber security components and information such that there is no degradation of performance, disruption or compromise of the cyber security system, including impacts to the users.

The Contractor shall coordinate and interface with the MSC regarding activities involving unclassified and classified information processing and use consistent with the Office of the Under Secretary of Energy Program Cyber Security Plan (PCSP), EM Program Security Plan (PSP), and DOE-approved Hanford System Security Plan(s) (SSP).

#### ***Classified Cyber Security***

The Contractor shall:

- Identify all computers used by the Contractor, or any tier subcontractor, that process classified information.

- Ensure all computers used for classified processing are certified and accredited and properly de-commissioned when no longer required.
- Develop and maintain specific administrative procedures and hardware/software security measures to:
  - Ensure that all classified computers used to process classified information can protect that information against loss, improper use, compromise, or unauthorized alteration or modification of classified information as required by DOE directive.
  - Comply with the *Hanford Master Classified Information Systems Security Plan*.
  - Train users of classified computer systems on cyber security requirements.
  - Support the DOE-RL Information Systems Security Operations Manager (ISOM) and/or MSC, as required, to facilitate resolution of classified computer systems security issues and associated incident reporting.

### ***Unclassified Cyber Security***

The Contractor shall:

- Ensure that all systems used for unclassified processing are certified and accredited.
- Report all cyber security incidents as required by DOE directive.
- Develop and maintain specific administrative procedures and hardware/software security measures to:
  - Ensure all computers used for processing sensitive unclassified information can protect that information against loss, improper use, compromise, or unauthorized alteration or modification of information as required by DOE directive.
  - Ensure all users are provided information security awareness training.

### ***Telecommunications***

The Contractor shall comply with Hanford Site procedures and policies regarding activities involving Communications Security (COMSEC), protected distribution systems, and TEMPEST/Transmission Security programs of Telecommunications Security.

## **C.3.3.2 Emergency Services**

### **C.3.3.2.1 Fire Services**

As an independent contractor, the MSC manages and conducts the Fire Services for the Hanford Site. This includes wild land fire, structural fire, and ambulance emergency response. Also included, are activities, such as, hazardous material and chemical/biological/radiological emergency response, pre-fire planning, site-wide respiratory protection services, and the testing, inspection and maintenance of life safety fire protection systems in designated facilities.

The Contractor shall support 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.).

### **C.3.3.2.2 Emergency Operations**

#### ***Emergency Management Program***

The MSC establishes and maintains a centralized Emergency Operations Program and the Hanford Site-wide Emergency Preparedness (EP) Program for the Hanford Site on behalf of DOE. The EP Program is responsible for the Hanford Emergency Operations Center (EOC), develops and maintains emergency plans and procedures, performs hazard surveys and assessments, reviews hazard assessments for all facilities at Hanford, and supports Hanford Site-wide EP training and drills.

The Contractor shall develop and maintain an Emergency Management Program as described in DOE/RL-94-02, *Hanford Emergency Management Plan* for structures and waste sites under its control. The Contractor's Emergency Management Program shall be consistent with DOE requirements and the centralized EP Program. The Contractor's program shall establish processes and instructions for all Contractor EP activities. Because of the potential for the Contractor to become the event coordinator as defined in the *Hanford Emergency Management Plan*, the Contractor shall maintain a 24-hour per day, 7-days per week, capability to staff the required facility specific emergency response organization positions within 60 minutes of receipt of notification from the Occurrence Notification Center of a Hanford Site emergency.

#### ***Radiological Assistance Program (RAP)***

The MSC manages the Region 8 Radiological Assistance Program (RAP) on behalf of DOE. The Region 8 RAP is responsible for Alaska, Oregon, and Washington and other Regions, as directed by DOE-Headquarters. The RAP mission is to provide first-responder radiological assistance to protect the health and safety of the general public and the environment; assist DOE program elements, and other Federal, state, Tribal and local agencies in the detection, identification and analysis, and response to events involving the use of radiological/nuclear material. The RAP provides 24-hour a day radiological response capabilities. The RAP teams consist of DOE/DOE contractor personnel who perform radiological assistance duties as part of their normal employment or as part of the terms of the contract between their employer and DOE. The MSC will require augmentation of RAP response team personnel, equipment, and expertise as delineated in work scope arrangements with the Contractor and other Hanford Site contractors or off-site vendors.

The Contractor shall provide qualified personnel, technical expertise, equipment, 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.

The Contractor shall establish an agreement with the MSC detailing the specific services to be provided by the Contractor in support of the Region 8 RAP.

The Contractor shall:

- Provide personnel, trained and qualified as RAP team members, and additional supervisory or management members as directed, to support the MSC RAP duties as delineated in its contract with DOE;
- Perform routine scheduled tasks to maintain equipment and RAP team readiness;

- Participate in meetings, working groups, drills, and exercises;
- Provide technical expertise to the RAP team, as requested;
- Respond to declared emergencies as a RAP team member;
- Participate in no-notice activations, and
- Maintain fitness for duty, as requested.

### **C.3.4 Interactions**

#### **C.3.4.1 External Affairs**

External Affairs includes information and involvement programs to reach diverse external parties interested in Hanford (e.g., Tribal Nations, stakeholders, news media, elected officials and their staffs, local community officials and the public) with the status, challenges and objectives of the cleanup work. For all external constituencies, the Contractor shall anticipate specific areas of concern, interest, or controversy, and employ appropriate communication strategies that inform and involve.

The Contractor shall submit an *External Affairs Program Description* for DOE approval (Deliverable C.3.4.1-1) that provides a comprehensive description of the External Affairs Program, staffing, products and services, with an emphasis on innovative approaches to communications.

DOE retains the primary role in directing the timing, substance and form of public information and will approve all products and outreach.

For activities within the Contract scope, the Contractor shall:

- Maintain effective interactions with local, regional, national and international news media. Provide information and/or resources as requested in support of DOE media interactions.
- Work with DOE to inform and involve the Tribal Nations as part of cleanup decision making processes, in accordance with the DOE American Indian and Alaska Native Tribal Government Policy and implementation guidance. Support and coordinate with DOE on the ongoing technical-staff interactions to ensure that affected tribes can be involved early and often in proposed plans and activities.
- Inform and involve the public, citizens advisory boards, and other interested parties in proposed plans and activities. Provide strategy and resources for required public comment and outreach processes related to upcoming decision making (e.g., NEPA and CERCLA).
- Reach out to the communities affected by Hanford to provide information, answer questions, and gain feedback.
- Participate in tour planning and preparation, and make facilities and personnel available as requested by DOE. Visits to the project sites shall be part of ongoing communication and outreach activities.
- Provide MSC with current information related to the Contract scope to maintain the external Hanford website.
- Participate in meetings and briefings to update interested external parties on Contract

activities when requested by DOE.

- Provide ongoing support to DOE in the preparation of communication materials, such as presentations, fact sheets, specialized graphics and charts, large posters, and up-to-date photography.
- Maintain a 24-hour per day, 7-days per week, capability to staff the communication functions/positions of the Hanford Emergency Operations Center within 60 minutes of receipt of notification from the Occurrence Notification Center of a Hanford Site emergency.

### **C.3.4.2 External Review and Support**

#### Background:

External Review and Support to DOE involves providing support during audits and assessments by entities having oversight responsibility for DOE-RL and its contractors. These entities include:

- Defense Nuclear Facilities Safety Board (DNFSB);
- Government Accountability Office (GAO);
- DOE Office of Inspector General (OIG); and
- Other governmental and DOE organizations.

The Contractor shall support DOE-RL and the MSC in hosting staff from auditing and assessing organizations, providing required presentations, responding to information requests, and providing required subject matter experts to respond to questions and information requests.

The Contractor shall:

- Support DNFSB oversight activities by:
  - Providing support for the preparation of DOE responses to DNFSB issues and recommendations that affect Contract scope.
  - Cooperating with the DNFSB and providing access to work areas, personnel, and information, as necessary.
  - Maintaining a document process in accordance with the CRD M 140.1-1B, *Interface with the Defense Nuclear Facilities Safety Board* (or current version).
- Support GAO, OIG, and other governmental and DOE oversight activities by:
  - Cooperating with assessors and auditors, and providing access to work areas, personnel, and information.
  - Providing support during audits and assessments, including delivering information within a specified time, arranging briefings, preparing presentation materials, maintaining a record of documents provided in response to requests, and making this record available to DOE-RL and/or DOE-ORP, as requested.
- Provide knowledgeable single points-of-contact for each of the following:
  - DNFSB; and
  - OIG, GAO, and other assessing governmental and DOE oversight organizations (including the DOE Office of Enforcement).

### **C.3.5 Interface Management**

The Contractor shall provide input to the MSC to facilitate MSC's development and maintenance of a *Hanford Site Interface Management Plan (Plan)*, which establishes and maintains interface management processes and agreements to assure effective control of technical, administrative, and regulatory interfaces.

The *Hanford Site Interface Management Plan (Plan)* shall provide the content for and processes to:

- Identify the various interfaces, define the scope of each interface, provide a brief description of the required deliverables (products, documents, procedures, services, etc.), define interface requirements, and cite applicable source documents for each interface;
- Implement changes to interface agreements through the appropriate change control process and, if necessary, contract changes; and
- Identify, track, and elevate issues for management review on a regular basis.

The *Plan* shall include:

- Organizational points of contact for participants and their responsibilities; and
- Associated controlling agreements (e.g., an MOA).

The *Plan* shall be signed by the MSC, PRC, and TOC. The MSC will submit the document to DOE for review and approval. The *Plan* shall be reviewed at least annually, and if updated, submitted to DOE for approval.

DOE shall be the exclusive authority for resolving disputes associated with any interface issues that can not be resolved between parties in a timely manner. Costs associated with litigation arising from either the *Plan* or agreements made pursuant to the *Plan* shall not be allowable under this Contract.

The Contractor shall establish, appropriately document, and manage interfaces in accordance with the Section J Attachment entitled, *Hanford Site Services and Interface Requirements Matrix*.

#### ***Infrastructure and Services Alignment Plan and Annual Forecast of Services and Infrastructure***

The Contractor shall provide input to the annual update to the Hanford Site's *Infrastructure and Services Alignment Plan (ISAP)*. MSC develops, maintains, and updates the master ISAP, and submits the ISAP on an annual basis to DOE for approval. The Contractor shall concur or non-concur on the ISAP prior to MSC submittal to DOE.

The ISAP incorporates a strategic vision and describes the activities necessary to integrate MSC responsibilities with those of other Hanford Site (Mission) contractors, to right-size the infrastructure and services, and to maintain the capacity of infrastructure systems provided for

the Site over its life-cycle. The ISAP identifies opportunities to re-engineer or replace systems as necessary (without negatively impacting the Mission Contractor's project schedules) in a timely and coordinated fashion. The ISAP also provides tactical-level information to successfully achieve MSC outcomes while minimizing the Site's life-cycle costs. The ISAP includes an approach for taking advantage of new technologies and business practices that make good business sense from a cost and schedule perspective.

As necessitated by changes to the Hanford Site funding profile, MSC provides updates to the ISAP regarding the relative priority of work requirements. The Contractor shall provide input to the *Annual Forecast of Services and Infrastructure's* projection of needed utilities, services and infrastructure, which is incorporated into the ISAP.

### ***Hanford Site Services and Interface Requirements Matrix***

The Contractor shall provide input to the MSC to support the development of the annual update to the *Hanford Site Services and Interface Requirements Matrix*. Service provider and user interface requirements are identified in the Section J Attachment entitled, *Hanford Site Services and Interface Requirements Matrix*. Services are designated as either "mandatory" or "optional" for use by Hanford Site contractors and their subcontractors. MSC is responsible for submitting the *Hanford Site Services and Interface Requirements Matrix* to DOE with the annual ISAP. The Contractor shall concur on the Matrix prior to MSC submittal to DOE.

## **C.4 GOVERNMENT-FURNISHED SERVICES AND INFORMATION (GFS/I)**

DOE is committed to providing effective support to the Contractor throughout the period of Contract performance, and the Contractor may request that DOE consider providing additional GFS/I. To manage the GFS/I to be furnished under the Contract and to evaluate the additional GFS/I that may be required by the Contractor, the Contractor shall submit for DOE approval:

- *Government-Furnished Services and Information Request* (Deliverable C.4-1): 12-month advance projection of GFS/I to be furnished under the Contract and additional Contractor-requested GFS/I, prior to each fiscal year; and
- *Government-Furnished Services and Information Request -- Update* (Deliverable C.4-2): quarterly update to the projection of GFS/I to be furnished under the Contract and additional Contractor-requested GFS/I, prior to each quarter.

DOE will review the 12-month and quarterly advance projections. If DOE can support the additional Contractor-requested GFS/I, DOE will notify the Contractor within 30 days that the additional Contractor-requested GFS/I can be provided, and will provide the Contractor details regarding the DOE action(s). The supported GFS/I will be added to the Section J Attachment entitled, *Government-Furnished Services and Information (GFS/I)*, as a DOE commitment to the Contractor.

If DOE cannot support a Contractor request, DOE will notify the Contractor within 30 days that the requested GFS/I cannot be provided, and there will be no DOE commitment to the Contractor to furnish the GFS/I.

For the additional Contractor-requested GFS/I, DOE will use its best efforts to meet these requests; however, in the event that DOE is unable, for any reason, to provide the Contractor with its requested additional GFS/I, the Contractor remains fully and solely responsible for obtaining the needed services and/or information in a timely manner and without any further recourse against DOE.

## C.5 SUMMARY OF CONTRACT DELIVERABLES

Table C.5, *Summary of Contract Deliverables*, summarizes the specific products the Contractor shall submit to the DOE, the type of action DOE will perform, the associated DOE response time, and the date/timeframe that the Contractor is required to submit the product.

Deliverables are considered Contractor endpoints, workscope completions, products, reports or commitments that shall be delivered to DOE. The types of DOE action are defined as:

- Approve – The Contractor shall provide the deliverable to DOE for review and approval. DOE will review the deliverable and provide comments in writing. DOE comments will be discussed with the Contractor and the Contractor shall provide written responses. The Contractor shall re-write the documents to incorporate all DOE mandatory comments. Once DOE approves a deliverable or document, the Contractor shall place it under change control and shall make no changes to that document without further DOE approval.
- Review – The Contractor shall provide the deliverable to the DOE for review and comment. DOE will have the option of reviewing the information and providing comment. The Contractor shall respond to all written comments.
- Information – The Contractor shall provide the deliverable to DOE for information purposes only. DOE will have the option of reviewing the information and providing comments. Such comments do not require resolution under the Contract.

Table C.5, *Summary of Contract Deliverables* does not include required deliverables identified in applicable other Contract sections, DOE directives, Federal Regulations, or regulatory documents.

Table C.5, Summary of Contract Deliverables

Deliverable Number	Deliverable	DOE		Deliverable Due Date <sup>1</sup>
		Action	Response Time <sup>2</sup>	
C.2.1-1	Transition Plan	Approve	5 working days	No later than August 1, 2008 <sup>3</sup>
C.2.1-2	Statement of Material Differences <sup>4</sup>	Approve	30 days	30 days after contract Notice to Proceed
C.2.1-3	Transition Agreement(s)	Approve	15 days	45 days after contract Notice to Proceed
C.2.1-4	Weekly Written Transition Status Reports	Information	N/A	Weekly during Transition
C.2.2.4.1-1	Lessons Learned Report for PFP Facilities	Review	N/A	TBD
C.2.3.1-1	Strategic Plan for integration of the waste treatment/disposal functions	Approve	30 days	180 days after completion of Transition
C.2.3.12-1	Update IDF Performance Assessment	Approve	180 days	At DOE Direction
C.2.3.12-2	Update IDF Waste Acceptance Criteria	Approve	60 days	At DOE Direction
C.2.4.1.1-1	Evaluation/Report with recommendations for changes in Groundwater Project activity	Information	N/A	180 days after completion of Transition
C.2.4.1.1-2	Plan for gaining community and stakeholder understanding of groundwater objectives and approaches	Review	30 days	180 days after completion of Transition
C.2.4.1.1-3	Prioritized list of recommended service water line upgrades or storm water run off control projects	Information	N/A	180 days after completion of Transition and biennially thereafter
C.2.4.1.2-1	Changes to document containing key physical, chemical, and other parameters/assumptions associated with modeling the fate and transport of environmental contaminants	Approve	60 days	As Required
C.2.4.1.2-2	Site Specification document	Approve	60 days	As Required

<sup>1</sup> All days refer to calendar days. When a scheduled date within this table falls on a Friday, weekend, or federal holiday, the deliverable or DOE response is due the next business day.

<sup>2</sup> Number of calendar days for DOE to execute its GFS/I responsibilities to provide review, approval, and/or certification action on the deliverable following Contractor submission of an acceptable product; or DOE comments on the deliverable following Contractor submission of an unacceptable product that will require revision and re-submission for DOE review, approval, and/or certification action.

<sup>3</sup> Deliverables that specify days from “contract Notice to Proceed” shall be calculated from August 1, 2008.

<sup>4</sup> Updates to the Statement of Material Differences may be made through day 45 after contract Notice to Proceed.

Deliverable Number	Deliverable	DOE		Deliverable Due Date <sup>1</sup>
		Action	Response Time <sup>2</sup>	
C.2.4.1.2-3	Prepare a process to manage risk assessment activities across the Hanford site.	Approve	60 days	180 days after completion of Transition
C.2.4.5-1	Annual Groundwater Monitoring Report	Approve	30 days	Annually
C.2.4.6-1	Removal Action Documentation <ul style="list-style-type: none"> <li>• Sampling and Analysis Plan</li> <li>• Engineering Evaluation/Cost Analysis</li> <li>• Removal Action Work Plan</li> </ul> Remedial Action Documentation <ul style="list-style-type: none"> <li>• Remedial Investigation/Feasibility Study Work Plan</li> <li>• Remedial Investigation Report</li> <li>• Feasibility Study Report</li> <li>• Proposed Plan Report</li> <li>• Remedial Design/Remedial Action Work Plan</li> </ul>	Approve	30 days for each document	As Required
C.2.5.3-1	Plan for sequencing and structuring the content of Records of Decision and other disposition decision documents	Review	60 days	360 days after completion of Transition
C.2.5.3-2	Plan for sequencing geographical zone remediation activities	Review	60 days	At DOE Direction
C.2.5.3-3	Conceptual Design Report for each Central Plateau geographical zone	Approve	60 days	At DOE Direction
C.3.1.1-1	Project Execution Plan (PEP)	Approve	30 days	30 days after contract Notice to Proceed
C.3.1.2.2-1	PRC Baseline	Approve	90 days	June 8, 2009
C.3.1.2.2-2	Performance Measurement Baseline annual updates	Approve	60 days	Annually
C.3.1.2.3-1	PRC Performance Measurement Baseline Change Control Process	Approve	30 days	30 days after contract Notice to Proceed
C.3.1.3.1-1	Monthly Performance Report	Review	N/A	Last Tuesday of each month
C.3.1.4-1	Risk Management Plan	Approve	30 days	30 days after contract Notice to Proceed
C.3.1.5.1-1	List of standards to be used in the design of facilities and equipment	Approve	60 days	At DOE Direction
C.3.1.5.2-1	Procurement, Construction, and Acceptance Testing Plan	Approve	60 days	At DOE Direction
C.3.1.5.2-2	Purchasing System	Approve	60 days	At DOE Direction
C.3.1.5.2-3	Construction and Acceptance Testing Program	Approve	60 days	At DOE Direction
C.3.1.5.2-4	As-built Program Description	Approve	60 days	At DOE Direction
C.3.2-1	Adopted ISMS/EMS Description	Information	N/A	30 days after contract Notice to

Deliverable Number	Deliverable	DOE		Deliverable Due Date <sup>1</sup>
		Action	Response Time <sup>2</sup>	
				Proceed
C.3.2-2	ISMS/EMS Description	Approve	90 days	270 days after completion of Transition
C.3.2-3	ISMS/EMS Description Updates	Approve	60 days	Annually, or as required
C.3.2-5	ISMS/ESH&Q Performance Objectives, Measures, and Commitments	Approve	60 days	Annually
C.3.2.1-1	Environmental Protection and Compliance Plan	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.2-1	Revise existing Safety Basis documentation for Hazard Category 1, 2, and 3 nuclear facilities	Approve	120 days	Within 12 months of award and annually thereafter
C.3.2.2-2	Adopted Unreviewed Safety Question (USQ) Process	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.2-3	Unreviewed Safety Question (USQ) Process	Approve	60 days	180 days after completion of Transition
C.3.2.3-1	Adopted Worker Safety and Health Program	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.3-2	Worker Safety and Health Program	Approve	90 days	180 days after completion of Transition
C.3.2.3-3	Adopted Radiation Protection Program (RPP)	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.3-4	Radiation Protection Program (RPP)	Approve	180 days	180 days after completion of Transition
C.3.2.3-5	Adopted Chronic Beryllium Disease Prevention (CBDP) Program	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.4-1	Adopted QA Program(s)	Approve	30 days	30 days after contract Notice to Proceed
C.3.2.4-2	QA Program(s)	Approve	90 days	180 days after completion of Transition
C.3.2.4-3	Adopted Assurance System Description	Information	30 days	30 days after contract Notice to Proceed
C.3.2.4-4	Assurance System Description	Approve	90 days	180 days after completion of Transition
C.3.2.4-5	Quality Assurance Status Report on Spent Nuclear Fuel Activities	Information	N/A	30 days after each fiscal year

Deliverable Number	Deliverable	DOE		Deliverable Due Date <sup>1</sup>
		Action	Response Time <sup>2</sup>	
C.3.3.1.5-1	Foreign Travel Projection	Information	N/A	At DOE Direction
C.3.4.1-1	External Affairs Program Description	Approve	30 days	30 days after contract Notice to Proceed and updated annually (12/1)
C.4-1	Government-Furnished Services and Information Request	Review	30 days	Annually, prior to each fiscal year
C.4-2	Government-Furnished Services and Information Request -- Update	Review	30 days	Prior to each quarter, as necessary

### ATTACHMENT J.3 HANFORD SITE SERVICES AND INTERFACE REQUIREMENTS MATRIX

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

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

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

MSC	Mission Support Contract
PRC	Plateau Remediation Contract
TOC	Tank Operations Contract
WTP	Waste Treatment and Immobilization Plant Contract
RCCC	River Corridor Closure Contract
Other Site Users	Examples include: Occupational Health Services Contractor (OHSC), Laboratory Analytical Services and Testing Contractor (LAS&T), Energy Savings Performance Contractor (ESPC), Pacific Northwest National Laboratory (PNNL) [activities located on the Hanford Site], Laundry Services Contractor, DOE, etc.
Hanford Site Contractors	General term used to collectively refer to all the above users/providers.

Types of Interfaces –

1. Information: knowledge (data, facts, etc) gathered or supplied
2. Physical: systems in tangible contact (i.e., 'pipe-to-pipe'), or a physical exchange of product or materials
3. Service: 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	<b>Infrastructure and Services Alignment Plan (ISAP), and the Annual Forecast of Services and Infrastructure</b> (including the <i>Hanford Site Services and Interface Requirements Matrix</i> )	Information	Direct-Funded	Interface	Receive input from site contractors	Deliver input to MSC				
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>ISAP is the strategic plan for right-sizing the infrastructure to support the future Hanford Site mission and the <i>Annual Forecast of Services and Infrastructure</i> is a projection of needed utilities, services, and infrastructure from other Hanford Site contractors.</p> <ul style="list-style-type: none"> <li>• MSC shall develop, maintain and update an ISAP and the <i>Annual Forecast of Services and Infrastructure</i>, which includes the costs for services. Proposed changes in service providers shall include a justification, and a plan forward.</li> <li>• MSC shall solicit input from Hanford Site contractors/users for the ISAP and the <i>Annual Forecast of Services and Infrastructure</i>, including projection of need for services and proposed performance metrics/controlling agreements for the service provider.</li> <li>• DOE will evaluate contractor/user input prior to approval. The plan will be approved by DOE.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration. Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
2	<b>Hanford Site Interface Management Plan</b>	Information	Direct-Funded	Interface	Receive input from site contractors	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
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>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.</p> <ul style="list-style-type: none"> <li>• MSC shall provide Protective Force operations.</li> <li>• Hanford Patrol shall provide random and special searches as required.</li> <li>• Hanford Patrol shall provide Protective Force services for WTP facilities when turned over to TOC.</li> </ul> <p><u>Usage-Based Services</u></p> <p>N/A</p> <p><u>Direct-Funded Services</u></p> <p>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.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
4	<b>Physical Security (PSS) Systems (Nuclear Material, Special Nuclear Material, and Classified Matter)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Physical Security Systems (Government Property)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Physical security under this activity is for Government property other than nuclear material, special nuclear material, and classified. Physical Security such as fences, locks, etc. through <i>Asset Protection Agreements</i>.</p> <ul style="list-style-type: none"> <li>• MSC shall develop, or assist in the development of facility asset protection requirements and conduct annual reviews of <i>Asset Protection Agreements</i>.</li> <li>• Hanford Site contractors shall support the MSC in the development of or update of facility <i>Asset Protection Agreements</i> and implement those agreements.</li> <li>• MSC shall provide Technical and Engineering Security services as required for the design and/or turnover of new facilities.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration; Hanford Site contractors bear costs of physical security upgrades. If used by PNNL off Hanford Site, they pay full-cost.</p> <p><a href="#">Return to top</a></p>										

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)
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>The OPSEC Program helps ensure that sensitive information is protected from compromise and secured from unauthorized disclosure, and provides management with necessary information required for sound risk management decisions concerning the protection of sensitive information.</p> <ul style="list-style-type: none"> <li>• MSC shall implement a Hanford Site-wide program; assure conformity of implementation with OPSEC standards and requirements; conduct assessment(s) of all Hanford Site facilities having Category I special nuclear material (SNM) (or credible roll-up to Category I SNM); conduct reviews of all Hanford Site facilities that have the potential to process or store classified or sensitive information; and conduct the <i>Annual Site OPSEC Threat Assessment</i> and prepare the annual <i>OPSEC Plan</i>.</li> <li>• Hanford Site contractors shall implement their internal OPSEC responsibilities, participate and support Hanford Site-wide OPSEC Working and Awareness groups; provide support to the MSC OPSEC assessments; and support the <i>Annual Site OPSEC Threat Assessment</i> and preparation of the annual <i>OPSEC Plan</i>.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost of Program administration. Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
7	<b>Information Security - Classified Matter Protection and Control (CMPC); Classification, Declassification and UCNI Program</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Personnel Security – Access Authorization (Security Clearance) Processing Program</b>	Service	Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>The Access Authorizations (Security Clearances) Program involves processing, granting, and allowing individuals to retain an access authorization when their official duties require access to classified information or matter, or special nuclear material (SNM).</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Hanford Site contractors shall request and obtain personnel security clearances, including "Special Access" from the MSC.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
11	<b>Personnel Security – Human Reliability Program (HRP)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Personnel Security – Workplace Substance Abuse Programs (WSAP)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>The WSAP is responsible for maintaining a workplace free from the use of illegal drugs, and is applicable to DOE contractors and their sub-contractors in testing-designated positions performing work at Sites owned or controlled by DOE under the authority of the Atomic Energy Act of 1954.</p> <ul style="list-style-type: none"> <li>• MSC shall administer the WSAP and maintain the procedures for testing and databases.</li> <li>• MSC shall notify the respective Hanford Site contractor of drug and alcohol testing results.</li> <li>• Hanford Site contractors shall identify individuals in testing-designated positions and execute the program per the MSC procedure.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of Program administration; Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
13	<b>Personnel Security – Foreign National Visits and Assignments (FNVA)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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)
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>FNVA pertains to unclassified (and potentially classified) foreign national access to the DOE Hanford Site for information and technologies.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of Program administration. Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
14	<b>Cyber Security – (Classified and Unclassified Cyber Security)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Nuclear Material Controls and Accountability (MC&amp;A)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>SAS Program Management – Safeguards and Security (SAS) Awareness</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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.
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>SAS Awareness Program is used to inform Hanford Federal and contractor employees, subcontractors, and visitors of their SAS responsibilities and to promote continuing awareness of good security practices.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Hanford Site contractors shall comply with the requirements of the Hanford Security Awareness program, as administered by the MSC.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost of Program administration; Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

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.
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>SAS Program Management provides formal organized process for planning, performing, assessing, and improving the secure conduct of work in accordance with risk-based protection strategies.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• Hanford Site contractors shall manage their internal SAS Program Management activities.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost of Program administration Hanford Site contractors/users bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

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	<b>Provide service</b> 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	<b>Fire &amp; 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)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>Fire and Emergency Response Services provide fire prevention, fire suppression, fire investigations; emergency rescue; emergency medical service and patient transport; incident command; and hazardous material and chemical/biological/radiological emergency response for the Hanford Site and those non-Hanford Site areas designated by DOE.</p> <ul style="list-style-type: none"> <li>• MSC shall provide 24/7 fire-related protection of human life, property, and facilities; and operates basic and advanced life support emergency medical services.</li> <li>• MSC shall act as the Site Incident Command Agency for all fires and hazardous/radiological materials emergencies on the Hanford Site.</li> <li>• 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.).</li> <li>• The MSC will provide support for HFD participation in drills and exercises.</li> </ul> <p><u>Usage-Based Services</u></p> <p>N/A</p> <p><u>Direct-Funded Services</u></p> <p>Funded through the MSC; provided at no cost to Hanford Site Contractors.</p>										

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
20	<b>Fire &amp; Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance)</b>	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service to site contractors</b>	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	<b>Emergency Operations (Centralized Hanford Site Emergency Preparedness Program)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Emergency Operations (Event Reporting; and Occurrence Notification Center)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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 Occurrence Notification Center (ONC).
- Hanford Site contractors shall report their environmental, safety, and health events and related information directly to DOE and to the ONC.

**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	<b>Site Safety Standards (Common Safety Processes)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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.

**Common Safety Processes.**

1. 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	<b>Radiological Assistance (RAP)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b>	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	<b>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)</b>	Information / Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Seismic Monitoring Services</b>	Service	Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Hanford Environmental Oversight (HEO)</b>	Information	Direct-Funded	Interface	<b>Provide service</b> to site contractors	Deliver input to MSC				
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>HEO provides program management, coordination and integration of Public Safety and Resource Protection (PSRP) functions. HEO also provides technical and administrative support to DOE associated with the PSRP program including Natural Resource Trustee activities.</p> <ul style="list-style-type: none"> <li>• MSC shall provide annual updates of the <i>Hanford Site National Environmental Policy Act (NEPA) Characterization Report</i>.</li> <li>• 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 <i>Hanford Site NEPA Characterization Report</i>.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
28	<b>Meteorological and Climatological Services</b>	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Ecological Monitoring and Compliance – Site Wide</b>	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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 assess 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	<b>Radiological Site Services (RSS)</b>	Information / Service	Usage-Based	Mandatory	<b>Provide service</b> to site contractors	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.
<b><u>Direct-Funded Services</u></b>
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	<b>Analytical Services (Chemical and Low-Level Radiological Analysis)</b>	Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>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).</p> <ul style="list-style-type: none"> <li>• MSC shall operate the WSCF.</li> <li>• Hanford Site contractors shall request analytical services as needed</li> </ul> <p><u>Usage-Based Services</u></p> <ul style="list-style-type: none"> <li>• Sample analysis is a usage-based service reimbursed by the user</li> </ul> <p><u>Direct-Funded Services</u></p> <ul style="list-style-type: none"> <li>• WSCF Laboratory fixed costs for maintaining the facility in a ready-to-serve capacity are at no cost to Hanford Site contractors.</li> </ul> <p><a href="#">Return to top</a></p>										

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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>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.</p> <ul style="list-style-type: none"> <li>• MSC shall provide a Hanford Site-wide biological control program.</li> <li>• Hanford Site contractors shall request support as needed.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Hanford Site contractors may request additional services beyond direct funded basic service as a usage-based service</p> <p><b><u>Direct-Funded Services</u></b></p> <p>Basic service funded through MSC; provided at no cost to Hanford Site contractors.</p> <p><a href="#">Return to top</a></p>										

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 disassemble 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)
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Facility Services is a central maintenance function for non-radiological facilities.</p> <ul style="list-style-type: none"> <li>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.</li> <li>PRC and other Site users shall request and provide requirements for service.</li> <li>TOC shall only receive Refrigerated Equipment Service, floor service, and Movers Service from and provide input to MSC.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Service as described above.</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

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				

**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	<b>Electrical Transmission, Distribution, &amp; Energy Management</b>	Physical / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b>	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	<b>Sanitary Waste Management and Disposal</b>	Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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)	<b>Provide service</b>	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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Land-Use Planning and Management consists of land-use planning (for the Hanford Site, in general and specific parcels) and management (including day-to-day implementation of the <i>Comprehensive Land Use Plan [CLUP]</i>).</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• MSC shall administer and manage the Site Selection and Excavation Permit process.</li> <li>• MSC shall monitor and assess the use of real property to assure compliance with restrictions, such as institutional controls.</li> <li>• 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.</li> <li>• 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).</li> <li>• MSC shall develop the TYSP for the Hanford Site in coordination with other Site contractors.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Excavation permits are provided as a usage-based service.</p>										

**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
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	<b>Facility Information Management System (FIMS)</b>	Information	Direct-Funded	Interface	Receive input from Site contractors	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	<b>Hanford Site Structures List and Hanford Waste Site Assignment List</b>	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				

**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	<b>Geospatial Information Management</b>	Information / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Geospatial Information (relates the visualization, measurement, and analysis of features or phenomena that occur on the earth) supports the execution of requirements for worker health, land use planning, emergency response, etc., and is available to all Hanford Site contractors.</p> <ul style="list-style-type: none"> <li>• MSC shall develop and implement a comprehensive <i>Hanford Geospatial Information Strategy and Implementation Plan (H-GIS)</i> to ensure that all spatial data, information and documentation required for accomplishing the Hanford Site missions are captured, managed, and preserved.</li> <li>• 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).</li> <li>• Hanford Site contractors deliver data to MSC and input to <i>Comprehensive Data/Site Management Strategy</i> for spatial data.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Hanford Site contractors may request business-specific map services as a usage-based service.</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
51	<b>Property Systems/- Acquisition &amp; Materials Management</b>	Information / Service	Combination of Usage-Based and Direct- Funded	Mandatory	<b>Provide service to site contractors</b>	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	<b>Hanford Site Pension Plan (HSPP)</b> <b>Hanford Site Savings Plan (HSSP)</b> <b>Hanford Employee Welfare Trust (HEWT)</b>	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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <ul style="list-style-type: none"> <li>MSC shall provide administration for the HSPP, HSSP, and HEWT.</li> <li>Hanford Site participating sponsors provide funding and deliver input to the Pension and Savings Committee whose decisions are provided to the MSC.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration. Contributions are allocated to the participating sponsors (Hanford Site contractors).</p> <p><a href="#">Return to top</a></p>										

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 as applicable				
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>External Affairs includes assistance to DOE in its programs to communicate with outside entities for Hanford Site tours.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> <li>• MSC shall support DOE's management of the Hanford web site.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

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 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, 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	<b>Reproduction Services</b>	Service	Usage-Based	Service - Large Volume: Mandatory.  Convenience Copiers: Optional	<b>Provide service</b> to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Optional service (except DOE)
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Reproduction Services provides large volume document reproduction services and manages the convenience copier contract. Reproduction includes duplication of paper ,digitally transmitted documents, and engineering drawings; high volume copying services; color copies; forms reproduction; special bindings; tabbing, etc.</p> <ul style="list-style-type: none"> <li>• MSC shall provide printing, duplicating, binding, and reproduction services for the Hanford Site.</li> <li>• 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.</li> <li>• Hanford Site contractors shall request and provide requirements for service.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Service as described above.</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

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, as applicable			
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Multi-media Services provides for the development, production, or acquisition of photos, videotapes, movies, audio productions, and other similar types of media.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• MSC shall conduct aerial photography of the Hanford Site (e.g., monthly), as directed by DOE.</li> <li>• Whether using MSC, or procuring outside services, Hanford Site contractors shall:             <ul style="list-style-type: none"> <li>- Comply with Hanford Site multi-media standards</li> <li>- Provide multi-media records to the MSC.</li> </ul> </li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Service as described above.</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>Mail Services for the Hanford Site includes delivery to major building/locations and relies on the serviced organization/company to deliver mail to individuals within their respective organizations.</p> <ul style="list-style-type: none"> <li>• 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).</li> <li>• MSC shall distribute and pickup mail at defined locations in the contractor's facilities.</li> <li>• Hanford Site contractors shall be responsible for mail distribution to contractor staff within their facility.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>Service as described above.</p> <p><a href="#">Return to top</a></p>										

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	<b>Strategic Planning &amp; Program Management</b>	Information	Direct-Funded	Mandatory	<b>Provide service</b> to site contractors	Receive service from MSC	Receive service from MSC	Optional	Optional	Receive service from MSC, as applicable
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>Strategic Planning &amp; Program Management assesses the current IR/CM technology infrastructure, systems, applications, and business practices and provides recommendations for improving the scalability and reducing the life-costs over the current approach.</p> <ul style="list-style-type: none"> <li>• MSC shall develop a <i>Computing and Telecommunications Strategic Plan</i>.</li> <li>• PRC and TOC shall provide input to the <i>Computing, Telecommunications, and Content (Records) Management Strategic Plan</i>.</li> </ul> <p><u>Usage-Based Services</u></p> <p>N/A</p> <p><u>Direct-Funded Services</u></p> <p>MSC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

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	<b>Radio Services for Crafts</b>	Service	Usage-Based	Optional	<b>Provide service</b> 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	<b>Radio Services for Emergency Services</b>	Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Provide service</b> 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	<b>Federal Records Inventory and Schedule Management</b>	Information / Service	Combination of Usage-Based and Direct-Funded	Site-wide System – Mandatory  Inventory & Scheduling Service - Optional	<b>Provide service</b> 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
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>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.</p> <ul style="list-style-type: none"> <li>• MSC shall provide Hanford Site-wide RIDS database for Hanford Site Federal records.</li> <li>• Other Hanford Site contractors shall provide RIDS database information.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Optional service beyond the basic service described above</p> <p><b><u>Direct-Funded Services</u></b></p> <p>Service as described above</p> <p><a href="#">Return to top</a></p>										

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	<b>Hanford Portfolio Planning, Analysis &amp; Performance Assessment (Integrated Hanford Life-Cycle Clean-up Plan; [Hanford] Programmatic Risk Management Plan; P6 schedules, and State of the Site briefing)</b>	Information	Direct-Funded	Interface	<b>Receive input</b> from Site contractors	Deliver input to MSC	Deliver input to MSC, except PNNL and DOE			
<b>Scope/Cost Allocation</b>										
<b><u>Service Description</u></b>										
<p>Hanford Portfolio Planning, Analysis &amp; Performance Assessment consists of support to DOE-RL and DOE-ORP in maintaining the <i>Integrated Hanford Life-Cycle Clean-up Plan</i> that optimizes the mission life-cycle, enabling DOE to ensure cost and schedule efficiency while adequately anticipating and managing programmatic risk.</p> <ul style="list-style-type: none"> <li>• MSC shall perform Hanford Site portfolio integration, provide simulation and optimizing analysis tools, and coordinate and assist with integrated scheduling and performance evaluation.</li> <li>• 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.</li> <li>• Hanford Site contractors shall provide information to the MSC as necessary to complete the Hanford Portfolio Planning, Analysis &amp; Performance Assessment activities.</li> </ul>										
<b><u>Usage-Based Services</u></b>										
N/A										
<b><u>Direct-Funded Services</u></b>										
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	<b>Independent Assessment and Analysis</b>	Information	Direct-Funded	Interface	<b>Receive input</b> from Site contractors	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	<b>Waste forecast system - Solid Waste Information and Tracking System (SWITS) and Solid Waste Integrated Forecast Technical Database (SWIFT)</b>	Information	Direct-Funded	Interface	Provide data to PRC	<b>Receive data</b> from Site contractors	Provide data to PRC	Provide data to TOC	Provide data to PRC	Provide data to PRC, except DOE
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>Waste forecast system identifies future quantities of hazardous and radioactive waste generation for wastes managed by the contract.</p> <ul style="list-style-type: none"> <li>• PRC shall operate and maintain SWITS and SWIFT, and make available to other Site contractors.</li> <li>• Hanford Site contractors shall provide waste generation data.</li> </ul> <p><u>Usage-Based Services</u></p> <p>N/A</p> <p><u>Direct-Funded Services</u></p> <p>PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
74	<b>Low Level Waste (LLW) and Mixed Low Level Waste (MLLW) Treatment, Storage, and Disposal</b>	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	<b>Receive waste</b>	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	<b>Transuranic (TRU) and Transuranic Mixed Waste (TRUM) Packaging, Characterization, Certification, and Transportation</b>	Information / Physical / Service	Combination of Usage-Based and Direct-Funded	Mandatory	<b>Performs all Hanford TRU Waste Characterization and Certification activities.</b>	N/A	<b>Provides support to CCP characterization and certification activities. Receives waste from site users.</b>	Package and deliver TRU to PRC	N/A	Package and deliver TRU to PRC	Except DOE, package and deliver TRU to PRC.
<b>Scope/Cost Allocation</b>											
<b><u>Service Description</u></b>											
<p>This activity provides for TRU and TRUM certification and loading waste for shipment to the Waste isolation Pilot Plant (WIPP).</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> <li>• CCP will provide, operate, and maintain RTR equipment, drum assay equipment, large box NDE/NDA equipment (if needed), and mobile loading equipment.</li> <li>• CCP will operate and maintain the Hanford Super-HENC equipment for Standard Waste Box (SWB) assay.</li> <li>• CCP will operate the Shipping and Receiving Bay within WRAP for TRUPACT loading. PRC will operate and maintain the balance of the WRAP facility.</li> <li>• CCP will provide the equipment for and perform head space gas sampling (HSGS) and analysis.</li> <li>• CCP will establish and implement appropriate ESH&amp;Q programs to support CCP activities.</li> <li>• PRC will perform initial (in-field) assay of retrieved waste, as necessary, to segregate TRU from non-TRU waste.</li> <li>• PRC will perform all waste repackaging activities.</li> <li>• PRC will provide facility records, packaging records, and other documents necessary for CCP to prepare waste certification packages.</li> <li>• PRC will provide the necessary public release clearances for CCP generated documents.</li> <li>• PRC will provide the infrastructure to support installation and operation of the CCP-provided RTR equipment, drum assay equipment, and mobile loading equipment.</li> </ul>											

- 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.

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Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
76	<b>Industrial and Radioactive Liquid Effluents Treatment and Disposal and Industrial Liquid Effluents Retention and Transfer</b>	Physical	Direct-Funded	Mandatory	N/A	<b>Receive from TOC, WTP and RCCC</b>	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.
- 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	<b>Immobilized High Level Waste (IHLW) Interim Storage</b>	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	<b>Receive from TOC</b>	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	<b>Immobilized low activity waste (ILAW) Disposal</b>	Physical	Combination of Usage-Based and Direct-Funded	Mandatory	N/A	<b>Receive from TOC and dispose</b>	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	<b>Groundwater/Vadose Zone Integration</b>	Information / Service	Direct-Funded	Mandatory	Deliver to PRC	<b>Receive from Site contractors</b>	Deliver to PRC	N/A	Deliver to PRC	N/A
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>The Groundwater/Vadose Zone Integration activity maintains and controls site-wide data and models used for groundwater/vadose zone analysis and coordinates site-wide groundwater/vadose zone activities.</p> <ul style="list-style-type: none"> <li>• PRC shall conduct the groundwater/vadose zone integration project.</li> <li>• Hanford Site contractors shall participate in PRC periodic planning and coordination meetings; and deliver modeling and risk assessment information. Mission contractors shall provide comments on the annual update to the <i>Integrated Plan and Schedule for all soil and groundwater work</i>, and the annual <i>Groundwater Monitoring Report</i>.</li> <li>• Hanford Site contractors shall supply groundwater analysis requirements and reporting of risk assessment data and analysis, input for the Fiscal Year Integrated Groundwater Monitoring Plan for the Hanford Site, comments on the <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)</i> Groundwater and Deep Vadose Zone Remediation Activity Progress Reports.</li> <li>• Hanford Site contractors shall provide data/information to PRC on self-performed drill and sample soil borings that yield additional vadose zone characterization data.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
80	<b>Hanford Environmental Data Integration</b>	Information Service	Direct-Funded	Mandatory and Interface	N/A	<b>Receive from TOC,RCCC, and other site contractors</b>	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	<b>Hanford Site Well Drilling and Decommissioning</b>	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	<b>Special Nuclear Fuel (SNF) Fragments Transportation</b>	Physical	Direct-Funded	Mandatory	N/A	<b>Receive from RCCC</b>	N/A	N/A	Transfer to PRC	N/A
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>SNF fragments are safely stored.</p> <ul style="list-style-type: none"> <li>• RCCC shall package SNF fragments and transport to PRC.</li> <li>• PRC shall receive packaged SNF fragments from RCCC.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>PRC bears the cost burden of program administration. Hanford Site contractors bear internal implementation costs.</p> <p><a href="#">Return to top</a></p>										

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	<b>Tank Farm Projects Double Shell Tank (DST) System Management</b>	Information	Direct-Funded	Interface	N/A	N/A	Integrate with WTP	Deliver input to TOC	N/A	N/A
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>DST System Management maintains acceptable waste feed specifications for future waste feed delivery to the WTP while also maximizing use of available DST space to facilitate single-shell tank waste retrieval and any in-tank treatment to preserve tank integrity and improve waste feed characteristics.</p> <ul style="list-style-type: none"> <li>• TOC shall integrate with the WTP contractor, develop the <i>Integrated Waste Feed Delivery Plan</i>, and the <i>River Protection Project System Plan</i>, and operate the DST system.</li> <li>• WTP shall provide input for feed delivery integration.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>TOC bears the cost burden of program administration.</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
84	<b>Vent and Balance</b>	Service	Usage-Based	Mandatory	Receive service from TOC	Receive service from TOC	<b>Provide service</b> 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	<b>Analytical Laboratory Support (Landlord Services for 222-S Laboratory Complex)</b>	Service	Direct-Funded	Mandatory	N/A	N/A	<b>Provide service to LAS&amp;T</b>	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	<b>Analytical Integrated Planning</b> <i>(222-S Laboratory Complex)</i>	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	<b>Tank Closure and Waste Management Environmental Impact Statement (EIS) and Record of Decision (ROD)</b>	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	<b>WTP Support</b>	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
<b>Scope/Cost Allocation</b>										
<p><u>Service Description</u></p> <p>WTP interface provides support for WTP construction.</p> <ul style="list-style-type: none"> <li>• MSC, PRC, and TOC will participate with WTP in the revision and approval of WTP Interface Control Documents (ICDs).</li> <li>• 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.</li> <li>• 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.</li> <li>• WTP shall maintain WTP Interface Control Documents.                     <ul style="list-style-type: none"> <li>WTP ICDs include:                             <ul style="list-style-type: none"> <li>• ICD 1, <i>Raw Water</i></li> <li>• ICD 2, <i>Potable Water</i></li> <li>• ICD 3, <i>Radioactive Solid Wastes</i></li> <li>• ICD 5, <i>Non-Radioactive, Non-Dangerous Liquid Effluents</i></li> <li>• ICD 6, <i>Radioactive Dangerous Liquid Effluents</i></li> <li>• ICD 9, <i>Land for Siting</i></li> <li>• ICD 11, <i>Electricity</i></li> <li>• ICD 12, <i>Roads</i></li> <li>• ICD 14, <i>Immobilized High-Level Waste</i></li> <li>• ICD 15, <i>Immobilized Low-Activity Waste</i></li> <li>• ICD 19, <i>Low-Activity Waste Feed</i></li> </ul> </li> </ul> </li> </ul>										

- 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	<b>Janitorial Service</b>	Service	General and Administrative (G&A) cost for each contract.	Optional	Receive service	Receive service	Receive service	N/A	Receive service	Receive service
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>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.</p> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
90	<b>Laundry Service</b>	Service	Fee for service.	Optional	Receive service	Receive service	Receive service	Optional	Receive service	Receive service
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <p>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.</p> <p><b><u>Usage-Based Services</u></b></p> <p>N/A</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

Interface Number	Interface Title	Interface Type	Cost Type	Service Type	MSC	PRC	TOC	WTP	RCCC	Other Contracts
91	<b>Occupational Medicine Service</b>	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	<b>Personnel Security Services</b>	Information / Service	Direct-Funded 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	<b>Research, development, and demonstration</b>	Service	Usage-Based	Optional	Receive service	Receive service  <b>PNNL – Provide service to site contractors</b>				

**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	<b>Sample Analysis (highly radioactive)</b>	Service	Fee for Service	Mandatory	N/A	Receive services from LAS&T	Receive services from LAS&T	N/A	N/A	N/A  <b>LAS&amp;T - Provide services to TOC and PRC</b>

**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	<b>Steam Services</b>	Service	Direct-Funded	Mandatory	Receive service	Receive service	Receive service	N/A	Receive service	Receive service  <b>ESPC - Deliver service to site contractors</b>

**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	<b>Waste Disposal - CERCLA remediation Low Level (LLW) and Contact-handled and Remote-handled (CH/RH) Mixed Low Level (MLLW)</b>	Physical	Usage-Based	Mandatory	Deliver to RCCC	Deliver to RCCC	Deliver to RCCC	Deliver to RCCC	<b>Receive from Site contractors</b>	Optional
<b>Scope/Cost Allocation</b>										
<p><b><u>Service Description</u></b></p> <ul style="list-style-type: none"> <li>RCCC performs treatment, storage, and disposal of <i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980</i> (CERCLA) LLW and CH/RH-MLLW.</li> <li>Hanford Site contractors shall request and provide requirements for service.</li> </ul> <p><b><u>Usage-Based Services</u></b></p> <p>Hanford Site contractors budget for waste treatment and disposal; deliver waste to ERDF.</p> <p><b><u>Direct-Funded Services</u></b></p> <p>N/A</p> <p><a href="#">Return to top</a></p>										

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
100-B (A) Riverlines	100-B (A) / Riverlines (1904B1)	100B	WCH
100-B (B) Riverlines	100-B (B) / Riverlines (1904B2)	100B	WCH
100-C (A) Riverlines	100-C (A) / Riverlines (1904C1)	100B	WCH
100-C (B) Riverlines	100-C (B) / Riverlines (1904C2)	100B	WCH
100-D (A) Riverlines	100-D (A) / Riverlines (1904D)	100D	WCH
100-D (B) Riverlines	100-D (B) / Riverlines 1904D)	100D	WCH
100-DR Riverlines	100-DR / Riverlines (1904DR)	100D	WCH
100-F (A) Riverlines	100-F (A) / Riverlines (1904F)	100F	WCH
100-F (B) Riverlines	100-F (B) / Riverlines (1904F)	100F	WCH
100-H (A) Riverlines	100-H (A) / Riverlines (1904H)	100H	WCH
100-H (B) Riverlines	100-H (B) / Riverlines (1904H)	100H	WCH
100-K (A) Riverlines	100-K (A) / Riverlines (1904K)	100K	CHPRC
100-K (B) Riverlines	100-K (B) / Riverlines(1904K)	100K	CHPRC
100-N Riverlines	100-N / Riverlines (1908N)	100N	WCH
105B	B Reactor Museum	100B	MSA
105C	Cocooned Reactor Building	100B	WCH
105D	Cocooned Reactor Building	100D	WCH
105DR	Cocooned Reactor Building	100D	WCH
105DR Water tunnels	105-DR / Water tunnels	100D	WCH
105F	Cocooned Reactor Building	100F	MSA
105H	Cocooned Reactor Building	100H	WCH
105KE	Reactor Building	100K	CHPRC
105KE Basin	Spent Fuel Storage Basin	100K	CHPRC
105KE Water Tunnels	Process Water tunnels	100K	CHPRC
105KW	Reactor Building	100K	CHPRC
105KW Basin	Spent Fuel Storage Basin	100K	CHPRC
105KW Water tunnels	Process Water tunnels	100K	CHPRC
105N	Reactor Building and Fuel Storage Basin	100N	WCH
105NA	Emergency Diesel Enclosure	100N	WCH
105ND	Remote Air Intake	100N	WCH
105NE	Fission Product Filter Trap	100N	WCH
107N	Basin Recirculation Cooling Building	100N	WCH
109N	HeExchanger Building	100N	WCH
110KE	Gas Storage Facility	100K	CHPRC
110KW	Gas Storage Building	100K	CHPRC
1112N	Guard Station (Telecommunications Center)	100N	WCH
1112NA	Microwave Tower and Annex Building	100N	WCH
111KE	Compressed Gas Storage	100K	CHPRC
1120N	Storage and Training Building	100N	WCH
1143N	Carpenter / Paint Shop	100N	WCH
114D	Bat Tower - S of 182D	100D	WCH
115KE	Gas Recirculation Building	100K	CHPRC
115KW	Gas Recirculation Building	100K	CHPRC
116B	Reactor Exhaust Air Stack	100B	MSA
116KE	Reactor Exhaust Stack	100K	CHPRC
116KW	Reactor Exhaust Stack	100K	CHPRC
116N	Exhaust Stack -105N Reactor	100N	WCH
117KE	Exhaust Air Filter Building	100K	CHPRC
117KW	Exhaust Air Filter Building	100K	CHPRC
117N	Air Filter Building	100N	WCH
117NVH	Valve Control House	100N	WCH
118D	100D/DR Field Survey and Packaging Tent	100D	WCH
118KE	Horizontal Control Rod Storage Cave	100K	CHPRC
118KW	Horizontal Control Rod Storage Cave	100K	CHPRC
119B	Exhaust Air Sample Building	100B	MSA
119KE	Exhaust Air Sampling Bldg	100K	CHPRC
119KW	Exhaust Air Sampling Building	100K	CHPRC
120DR	Field Remediation Survey Tent - 100D/DR	100D	WCH
1220	Telecommunications	RCHN	MSA
1303N	Radioactive Dummy Burial Facility	100N	WCH
1310N	Chemical Waste Storage Facility	100N	WCH
1315NA	Valve House	100N	WCH

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
1322N	Waste Treatment Pilot Plant Facility	100N	WCH
1322NA	Effluent Water Pilot Plant	100N	WCH
1322NB	Crib Effluent Iodine Monitoring Facility	100N	WCH
1322NC	Crib Sample Pump Pit	100N	WCH
1323N	N8 Wells Sampling Station	100N	CHPRC
142K	Cold Vacuum Drying Facility	100K	CHPRC
142KA	CVDF Generator Building	100K	CHPRC
1506K1	Telecommunications	100K	CHPRC
1506K2	Telecommunications	100K	MSA
151B	Primary Substation	100B	WCH
151D	Primary Substation Switch House	100D	WCH
151K	Electrical Substation (230 kV)	100K	CHPRC
151KE	Electrical Substation (230 kV)	100K	MSA
151KW	Electrical Substation (230 kV)	100K	MSA
1524N	Hazardous Waste Pad	100N	WCH
1525N	Laydown Storage Area	100N	WCH
152K	Switchgear Control Building	100K	MSA
155N	BPA Switch Yard	100N	BPA
1601D	Pump and Treat Transfer Building	100D	CHPRC
1601H	Pump and Treat Transfer Building	100H	CHPRC
1602H	100HX Transfer Building	100H	CHPRC
1604K	KR-4 Pump and Treat Process Building	600	CHPRC
1605KE	Guard Tower - East	100K	CHPRC
1605KW	Guard Tower - West	100K	CHPRC
1606K	KR-4 Pump and Treat Transfer Building 2	600	CHPRC
1606KA	KX Pump and Treat Transfer Building 2	600	CHPRC
1607K	KR-4 Pump and Treat Transfer Building 1	600	CHPRC
1607KA	KX Pump and Treat Transfer Building 1	600	CHPRC
1607N1	Sewage Treatment Tank 1 (124N1)	100N	WCH
1607N2	Sewage Treatment Tank 2 (124N2)	100N	WCH
1607N3	Sewage Treatment Tank 3 (124N3)	100N	WCH
1607N9	Sewage Treatment Tank 9 (124N9)	100N	WCH
1608B	Vacuum Seal House	100B	MSA
1608K	KX Pump and Treat Process Building	600	CHPRC
1614K3	Environmental Monitoring Station	100K	CHPRC
165KE	Power Control Building	100K	CHPRC
165KW	Power Control Building	100K	CHPRC
166AKE	Material Storage Building	100K	CHPRC
166KE	Oil Storage Vault	100K	CHPRC
166KW	Oil Storage Vault	100K	CHPRC
167K	Cross Tie Tunnel Building	100K	CHPRC
1705KE	Effluent Water Treatment Pilot Plant	100K	CHPRC
1706KE	Rad Con Count Laboratory Facility	100K	CHPRC
1706KEL	Development Laboratory	100K	CHPRC
1706KER	Water Studies Recirculation Bldg	100K	CHPRC
1713H	Warehouse	100H	CHPRC
1713KE	Shop Building	100K	CHPRC
1713KER	Warehouse	100K	CHPRC
1713KW	Warehouse	100K	CHPRC
1714KE	Oil and Paint Storage Shed	100K	CHPRC
1714KW	Oil and Paint Storage Shed	100K	CHPRC
1717AKE	Electrical Shed	100K	CHPRC
1717K	Maintenance Transportation Shop	100K	CHPRC
1720K	Administrative Office Building	100K	CHPRC
1722N	Decontamination Shop	100N	WCH
1724K	Maintenance Shop	100K	CHPRC
1724KA	Equipment Shed	100K	CHPRC
1724KB	Gas Bottle Storage Facility	100K	CHPRC
175KE	Survey Tent - 100KE	100K	CHPRC
1803K	Water Treatment Storage Tank	100K	CHPRC
1804D	100-DX Pump and Treat	100D	CHPRC
1805D	100-DX Pump and Treat Transfer Building M2	100D	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
1806D	100-DX Pump and Treat Transfer Building M1	100D	CHPRC
181B	River Pump House	100B	MSA
181B101	Raw Water Valve Pit	100B	MSA
181B102	Raw Water Valve House	100B	MSA
181B66	Diesel Fuel Tank	100B	MSA
181D	River Pump House	100D	MSA
181D101	Raw Water Valve Pit	100D	MSA
181D102	Raw Water Valve House	100D	MSA
181KE	River Pump House and Guard Tower	100K	CHPRC
181KW	River Pump House and Guard Tower	100K	CHPRC
181N	River Water Pump House	100N	WCH
181NA	Pump House / Guard Tower	100N	WCH
181NB	Diesel Enclosure 3	100N	WCH
181NE	Hanford Generating Plant River Water Pump House	100N	WCH
182B	Reservoir and Pump House	100B	MSA
182D	Reservoir and Pump House	100D	MSA
182K	Emergency Water Reservoir Pump House	100K	CHPRC
182N	High Lift Pump House Building	100N	WCH
183.1KE	Headhouse	100K	CHPRC
183.1KW	Headhouse	100K	CHPRC
183.2KE	KE Sedimentation Basins	100K	CHPRC
183.2KW	KW Sedimentation Basins	100K	CHPRC
183.3KE	KE Filter Basin	100K	CHPRC
183.3KW	KW Filter Basin	100K	CHPRC
183.4KE	KE Reservoir and Clearwells	100K	CHPRC
183.4KW	KW Reservoir and Clearwells	100K	CHPRC
183.5KE	Lime Feeder Building (West)	100K	CHPRC
183.5KW	Lime Feeder Building (West)	100K	CHPRC
183.6KE	Lime Feeder Building (East)	100K	CHPRC
183.6KW	Lime Feeder Building (East)	100K	CHPRC
183.7KE	Pipe Tunnel Between 105KE and 165KE	100K	CHPRC
183.7KW	Pipe Tunnels	100K	CHPRC
183D	Water Filtration Plant	100D	WCH
183F	West Clearwell	100F	MSA
183H	Water Treatment Facility	100H	WCH
183KE	Chlorine Vault	100K	CHPRC
185K	Potable Water Treatment Plant	100K	CHPRC
186D	100D Pump and Treat DR-5	100D	CHPRC
186N	100N Alternative Potable Water Plant	100N	WCH
189K	Water Treatment Facility	100K	CHPRC
1901U	Valve Pit - SW of 1901Z	600	MSA
1901Y	Export Water Line Valve House	600	MSA
1901Z	Export Water Line Valve House	600	MSA
1902D	Elevated Water Tank and Underground Valve Vault	100D	WCH
1902N81	Fire Protection Valve House	100N	WCH
1903N	Sanitary Sewer Tile Field and Septic Tanks	100N	WCH
1904N	Sewage Lagoon (AKA 100LN)	100N	WCH
1904NA	Sewage Lift Station 1	100N	WCH
1904NB	Sewage Lift Station 2	100N	WCH
1904NC	Sewage Lift Station 3	100N	WCH
1908K	Outfall Structure	100K	CHPRC
1908KE	Effluent Water Monitoring Station	100K	CHPRC
1908N	Outfall Structure	100N	WCH
1908NE	Outfall Structure (Hanford Generating Station)	100N	WCH
1909KE	105KE Effluent Junction Box	100K	CHPRC
1909KW	Effluent Junction Box	100K	CHPRC
1909N	Waste Disposal Valve Pit	100N	WCH
190KE	Warehouse/Pump House	100K	CHPRC
190KW	Main Pump House	100K	CHPRC
1926N	Valve Pit	100N	WCH
200CC-BA	Construction Complex Boiler Annex	200W	JCI
201C	Hot Process Bldg (Hot Semiworks Facility)	200E	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
201R	Waste Tank Mockup Facility	200W	WRPS
201W	Vegetation & Animal Control Shop (SE Corner 2W)	200W	MSA
2025E	200 Area Effluent Treatment Facility	200E	CHPRC
2025EA	Effluent Treatment Office Building	200E	CHPRC
2025EC	Purgewater Receiving Tanks and Containment	200E	CHPRC
2025EC71	ETF LCU Building	200E	CHPRC
2025ED	Purgewater Unloading Facility	200E	CHPRC
202A	PUREX Canyon and Service Facility	200E	CHPRC
202A417	Steam Condensate Pump Pit	200E	CHPRC
202S	REDOX Canyon	200W	CHPRC
203A	Acid Pump House	200E	CHPRC
203UX	Gas Storage Facility	200W	CHPRC
204A	Acid Storage Vault, U Cell below Grade	200E	CHPRC
204AR	Railcar Unloading Facility	200E	WRPS
206A	Vacuum Acid Fractionator Building	200E	CHPRC
207B	Cooling Water Retention Basin	200E	CHPRC
207BA	CBC Sampler Building	200E	CHPRC
207SL	Water Retention Basin	200W	WRPS
207U	Water Retention Basins, Sample Pit & Inst. Enclosure	200W	CHPRC
209E	Tank Farm Waste Support Facility	200E	CHPRC
209EA	90 Day Storage Pad with Metal Roof	200E	CHPRC
2101HV	HWVP Construction Warehouse	200E	WRPS
2101M	Spare Parts Warehouse, Office Bldg	200E	MSA
2102HV	Material Management Pad	200E	WRPS
2102M	Storage Shed	200E	MSA
2102N	Storage Shed	200E	MSA
2103HV	Hazardous Waste Accumulation Area	200E	WRPS
2104M	Utility Truck Shed	200E	MSA
2104N	Breezeway	200E	CHPRC
2105HV	General Storage - Sprung Dome	200E	WRPS
2106HV	HWVP Storage - Sprung Dome	200E	WRPS
2107	Drum Vent Facility for TRU Retrieval	200E	CHPRC
2108	CWC Drum Vent System (DV52)	200W	CHPRC
210A	PUREX Oil Drum Storage	200E	CHPRC
210E	Cement Storage	200E	MSA
210M	Refrigeration Equipment Services Storage	200E	MSA
210T	Drum Storage Shed - NW Corner of 221T	200W	CHPRC
210W	Drum Movement Material storage shed	200W	CHPRC
211A	Chemical Makeup Tank Farm and Pump House	200E	CHPRC
211B	Bulk Chemical Storage	200E	CHPRC
211BA	Electrical Maintenance Equipment Storage	200E	CHPRC
211BA151	Monitoring Station	200E	CHPRC
211BB	Motor Control Center Building	200E	CHPRC
211E	Overflow Storage Tank	200E	MSA
211ED	Tent Structure for Equipment Repair	200E	MSA
211H	Storage Shed	200E	MSA
211S	Cold Chemical Makeup Tank Farm	200W	CHPRC
211T	Cold Chemical Makeup Tank Farm	200W	CHPRC
211T52	Instrumentation Building	200W	CHPRC
211U	Cold Chemical Makeup Tank Farm	200W	CHPRC
211UA	Cold Chemical Makeup Tank Farm Addition	200W	CHPRC
2120WA	CWC Equipment Storage Building	200W	CHPRC
2120WB	CWC Equipment Storage Building	200W	CHPRC
2125E	ETF Storage Shelter - N of 2025E	200E	CHPRC
212A	Fission Product Load-out Station	200E	CHPRC
212B	Fission Product Load-out, Cask Transfer Building	200E	CHPRC
212C	Road Striping Vehicle Carport	200E	MSA
212E	Emergency Response Equipment Storage	200E	MSA
212ED	Tent Structure for Equipment Repair	200E	MSA
212H	Canister Storage Building	200E	CHPRC
212N	Storage Building	600	CHPRC
212P	Electrical Storage and Transformer Shop	600	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
212R	Storage Building	600	CHPRC
212S	Covered Gas Cylinder Storage Dock	200W	WRPS
212T	T Plant Storage Building	200W	CHPRC
212W	Storage Sheds (Near 272S)	200W	WRPS
212Z	Lag Storage Area	200W	CHPRC
213A	Fission Product Load-in Station	200E	CHPRC
213E	Storage Shed for Insulators - SW of 274E	200E	MSA
213J	Storage Vault	600	WCH
213K	Storage Vault	600	WCH
213P	Storage Shed	200E	MSA
213S	Covered Pipe Rack and Excess Storage	200W	WRPS
213W	Waste Compactor Building	200W	WRPS
213WB	Skid Mounted Storage Shed	200W	MSA
214A	PUREX Warehouse	200E	CHPRC
214E	Storage Facility	200E	MSA
214T	Chemical Storage Building	200W	CHPRC
215C	Gas Preparation Building	200E	CHPRC
215E	Storage Facility	200E	MSA
216A	Valve Control Facility	200E	WRPS
216A1A	Proportional Sampler Pit 3	200E	CHPRC
216A271	Valve Control House	600	CHPRC
216A29A	Ditch Control Structure	200E	CHPRC
216A30	Crib	200E	CHPRC
216A42	PUREX Effluent Retention Basin	200E	CHPRC
216A42A	Pump Station Pit	200E	CHPRC
216A42B	PUREX Effluent Diversion Valve Box	200E	CHPRC
216A42C	PUREX Effluent Diversion Valve Box	200E	CHPRC
216A42D	PUREX Effluent Diversion Box	200E	CHPRC
216A42E	Diversion Box for 216A42 Ditch	200E	CHPRC
216A508	Crib Control Structure	200E	CHPRC
216A524	Crib Control Structure	200E	CHPRC
216A5A	Proportional Sampler Pit 4	200E	CHPRC
216A8A	Proportional Sampler Pit 2	200E	CHPRC
216B351	B3 Pond Flow Control Structure	600	CHPRC
216B352	B3 Pond Flow Control Structure	600	CHPRC
216B353	B3A Pond Flow Control Structure	600	CHPRC
216B354	B3A Pond Flow Control Structure	600	CHPRC
216B57	Prototype Surface Barrier Test (Crib)	200E	CHPRC
216B59A	Retention Basin, Diversion Station, Valve Pit	200E	CHPRC
216B59B	Retention Basin and Pump Pit	200E	CHPRC
216E28A	Contingency Pond Control Structure	600	WRPS
216E28B	Contingency Pond Bypass Control Structure	600	CHPRC
216E28C	PUREX Cooling Water Line Flow Meter	600	CHPRC
216E43	Control Structures for 200 Area TEDF	600	CHPRC
216E43A	TEDF Pond A	600	CHPRC
216E43B	TEDF Pond B	600	CHPRC
216TY201	Supernatant Disposal Flush Tank	200W	CHPRC
216Z8	Silica Waste Storage Tank and French Drain	200W	CHPRC
216Z9A	216Z9 Contaminated Soil Removal Building	200W	CHPRC
216Z9B	216Z9 Mining Operator Cubicle	200W	CHPRC
216Z9C	Z-9 Weather Enclosure	200W	CHPRC
216ZP1	Main Process Facility 200-ZP-1	200W	CHPRC
216ZP1A	Injection Manifold Building	200W	CHPRC
216ZP1B	Extraction Manifold Building	200W	CHPRC
216ZP1C	Extraction Manifold Building	200W	CHPRC
217A	PUREX SAMCONS Surveillance Controller	200E	CHPRC
217B	Deminerlizer Building	200E	CHPRC
217E	Storage Facility	200E	MSA
217F	Portable Building 4B Burial Ground	200W	CHPRC
217G	Portable Change Building - 3A Burial Ground	200W	CHPRC
217H	Portable Building - 4B Burial Ground	200W	CHPRC
217I	Portable Building Burial Ground	200W	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
218A	Conditioned Storage Building	200E	WRPS
218B	Emergency Equipment Storage Shed	200E	CHPRC
218E14	PUREX Plant Storage Tunnel 1	200E	CHPRC
218E15	PUREX Plant Storage Tunnel 2	200E	CHPRC
218E16	Grout Disposal/Treatment Facility Vaults 102-105	200E	WRPS
218E16101	Grout Disposal Vault 101	200E	WRPS
218E7	Dry Burial Vaults (behind 222B)	200E	CHPRC
218HV	Storage Shed - S of 2701HV	200E	MSA
218W5-252	Trench 31 Electrical Control Building	200W	CHPRC
218W5-252A	Trench 34 Electrical Control Building	200W	CHPRC
218W5T31T1	Leachate Storage Tank-Trench 31	200W	CHPRC
218W5T34T1	Leachate Storage Tank-Trench 34	200W	CHPRC
218W7	Dry Waste Burial Vault-222S	200W	CHPRC
218W8	Dry Burial Vaults - S of 222T	200W	CHPRC
219A	Integrated Disposal Facility Crest Pad Building	200E	CHPRC
219A1	IDF Leachate Transfer Building	200E	CHPRC
219A201	IDF Leachate Storage Tank	200E	CHPRC
219C	Storage Unit - W of 2025E	200E	CHPRC
219D	Liquid Waste Processing Storage Unit	200E	CHPRC
219E	Integrated Disposal Facility Crest Pad Building	200E	CHPRC
219E1	IDF Leachate Transfer Building	200E	CHPRC
219E201	IDF Leachate Storage Tank	200E	CHPRC
219F	Weather Protection Tent	200W	CHPRC
219G	Custodial Storage	200W	MSA
219H	Transportation Equipment Storage	200E	MSA
219S	Rad Waste Staging and Transfer Facility	200W	WRPS
2202E	Weather Enclosure for Waste Recovery	200E	CHPRC
220A	Steam Condensate Sampler Pit	200E	CHPRC
221A	Former PUREX Pipefitter Shop	200E	CHPRC
221B	B Plant Canyon	200E	CHPRC
221BA	Cooling Water Monitoring Station	200E	CHPRC
221BB	Process Steam and Condensate Building	200E	CHPRC
221BC	SWP Change House	200E	CHPRC
221BD	Laundry Storage Building	200E	CHPRC
221BF	Condensate Effluent Discharge Facility B Plant	200E	CHPRC
221BG	B Plant Cooling Water Sampling Building	200E	CHPRC
221BK	B Plant Canyon Ventilation Instrument Bldg	200E	CHPRC
221T	T-Plant Canyon	200W	CHPRC
221TA	Fan House	200W	CHPRC
221TB	Laundry Storage Skid Shack	200W	CHPRC
221U	U Plant Canyon Building	200W	CHPRC
2220E	Telecommunications	200E	MSA
2220W	Telecommunications	200W	MSA
222B	Office Building	200E	CHPRC
222S	Central Analytical Laboratory	200W	WRPS
222SA	Standards/Process Development Laboratory	200W	WRPS
222SB	South Filter Building	200W	WRPS
222S-BA	222S Boiler Annex	200W	JCI
222SC	North Filter Building	200W	WRPS
222SD	Solid Waste Storage Pad	200W	WRPS
222SE	Laboratory Exhaust Filter Building	200W	WRPS
222SF	Equipment Storage	200W	WRPS
222SH	Office and Change Room	200W	WRPS
222T	Office Administration Building	200W	CHPRC
2230E	Biological Control Storage Facility	200E	MSA
2237E	Pipefitters Shop	200E	WRPS
223E	105A Mock Tank	200E	WRPS
224B	Concentration Facility	200E	CHPRC
224T	Transuranic Storage and Assay Facility	200W	CHPRC
224U	UO3 Plant Concentration and Loadout Building	200W	CHPRC
224UA	UO3 Calcination and Loadout Facility	200W	CHPRC
2256WTP	Combination Shop - E of Vitrification Bldg	200E	BNI

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
2258E	Storage Building A Farm	200E	WRPS
2259W	Pipefitters Storage - S of 2300W	200W	CHPRC
225B	Waste Encapsulation and Storage Facility	200E	CHPRC
225BA	K1 Filter Pit Encapsulation Facility	200E	CHPRC
225BB	K3 Filter Pit Encapsulation Facility	200E	CHPRC
225B-BA	225B Boiler Annex	200E	JCI
225BC	Encapsulation Compressor Facility	200E	CHPRC
225BD	Encapsulation Waste Monitoring & Sample Bldg	200E	CHPRC
225BE	Encapsulation Maintenance Shop	200E	CHPRC
225BF	WESF Tanker Loadout Station	200E	CHPRC
225BG	WESF Closed Loop Cooling Equipment Building	200E	CHPRC
225BG-GEN1	Backup Generator and Diesel Fuel Tanks	200E	CHPRC
225E	TEDF Pump Station 2 - Local unit 55C-10	200E	CHPRC
225EC	TEDF Local Control Unit 55C-13	200E	CHPRC
225W	TEDF Pump Station 1 - Local Unit 55C-20	200W	CHPRC
225WA	TEDF Local Control Unit 55C-21	200W	CHPRC
225WB	TEDF Local Control Unit 55C-22	200W	WRPS
225WC	TEDF Local Control Unit 55C-23	200W	CHPRC
2262W	Insulators Storage	200W	CHPRC
2263W	Gas Bottle Storage Building	200W	CHPRC
2265W	Ice House	200W	CHPRC
2266E	Closure Support Center	200E	MSA
2268E	Soil and Ground Water Shop	200E	CHPRC
2269E	EPC Shop	200E	CHPRC
226Z	Change Trailer - S of 243ZA	200W	CHPRC
227S	Lab Conditioned Storage Building	200W	WRPS
229W	Drum Storage Weather Enclosure	200W	CHPRC
2300W	Electrician Shop / Office	200W	CHPRC
2304W	Pipefitter Shop	200W	CHPRC
2305W	Ladder Storage Rack	200W	CHPRC
2306W	Electrical Shop	200W	CHPRC
2307W	Pipefitter Storage	200W	CHPRC
2308W	Carpenter Shop	200W	CHPRC
2309W	Sheetmetal Shop	200W	CHPRC
2310W	Material Storage	200W	CHPRC
2314W	Bench Stock Storage (Skid Shack)	200W	CHPRC
2315W	Ice House - Skid Shack	200W	CHPRC
2316W	Heavy Equipment Operator Shack	200W	CHPRC
2318W	Painter Shop	200W	CHPRC
231W151	Sump Tank and Well	200W	CHPRC
231Z	Pu Metallurgy Lab	200W	CHPRC
2336W	Waste Receiving and Processing Facility	200W	CHPRC
234-5Z	PFP Pu Processing & Storage	200W	CHPRC
234-5ZA	PFP Micon, Aces, and Mask Fit Stations	200W	CHPRC
234-5Z-BA	PFP Boiler Annex	200W	JCI
234-5Z-BE	Boiler House Electric Annex	200W	JCI
236Z	Plutonium Reclamation Building	200W	CHPRC
2400E	Dry Material Facility Control Room	200E	CHPRC
2401W	CWC Mixed Waste Storage Facility	200W	CHPRC
2402EA	Dry Material Facility Unloading Pit	200E	CHPRC
2402EB	Dry Material Facility Cement Silo	200E	CHPRC
2402EC	Dry Material Facility Fly Ash Silo	200E	CHPRC
2402ED	Dry Material Facility Pottery Clay Silo	200E	CHPRC
2402EF	Dry Material Facility Attapulgitte Clay Silo	200E	CHPRC
2402EG	Dry Material Facility Transfer Pump Pit	200E	CHPRC
2402W	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WB	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WC	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WD	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WE	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WF	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WG	CWC Mixed Waste Storage Facility	200W	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
2402WH	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WI	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WJ	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WK	CWC Mixed Waste Storage Facility	200W	CHPRC
2402WL	CWC Mixed Waste Storage Facility	200W	CHPRC
2403E	DMRHF Dry Blended Storage/Truck Loadout Facility	200E	CHPRC
2403EA	Compressor Building	200E	CHPRC
2403WA	Radioactive Mixed Waste Storage Facility	200W	CHPRC
2403WB	Radioactive Mixed Waste Storage Facility	200W	CHPRC
2403WC	Radioactive Mixed Waste Storage Facility	200W	CHPRC
2403WD	Radioactive Mixed Waste Storage Facility	200W	CHPRC
2404E	Dry Materials Receiving and Handling Facility Compressor Bldg	200E	CHPRC
2404WA	Long Term Drum Storage Building	200W	CHPRC
2404WB	Long Term Drum Storage Building	200W	CHPRC
2404WC	Long Term Drum Storage Building	200W	CHPRC
2405W	W&FM ERDF Maintenance Facility	200W	CHPRC
240W	CWC Box Storage Area	200W	CHPRC
241A151	Diversion Box	200E	WRPS
241A152	Diversion Box	200E	WRPS
241A153	Diversion Box	200E	WRPS
241A201	Emergency Cooling Water Storage Tank - SE of PUREX	200E	CHPRC
241A271	Tank Farm Control House	200E	WRPS
241A302A	Catch Tank - S of 202A	200E	WRPS
241A302B	Catch Tank - A Tank Farm	200E	WRPS
241A401	Tank Farm Condenser House	200E	WRPS
241A417	Condensate Receiver and Pump Pit	200E	WRPS
241A431	Tank Farm Ventilation House	200E	WRPS
241A701	Tank Farm Compressor House	200E	WRPS
241A702	Tank Farm Fan House	200E	WRPS
241AA	Valve Vault	200E	WRPS
241AB	Valve Vault	200E	WRPS
241AN271	Instrument Control House	200E	WRPS
241AN273	Compressor Building	200E	WRPS
241AN274	Mixer Pump and Caustic Addition Control Bldg	200E	WRPS
241AN801	Water Service Building	200E	WRPS
241ANA	Valve Vault	200E	WRPS
241ANB	Valve Vault	200E	WRPS
241AP271	Tank Farm Instrument Building	200E	WRPS
241AP273	Compressor Building	200E	WRPS
241AP801	Water Service Building	200E	WRPS
241AR151	Diversion Box - N of 244AR	200E	WRPS
241AW271	Tank Farm Control House	200E	WRPS
241AW273	Compressor Building	200E	WRPS
241AW801	Water Service Building	200E	WRPS
241AX151	Diverter Station, Valve Pit, and Instrument Enclosure	200E	WRPS
241AX155	Diversion Box	200E	WRPS
241AX501	Condensate Valve Pit	200E	WRPS
241AX801A	Tank Farm Control House, North	200E	WRPS
241AX801B	Tank Farm Control House, South	200E	WRPS
241AX801C	Tank Farm Control House (S of A Farm)	200E	WRPS
241AXA	Valve Vault	200E	WRPS
241AXB	Valve Vault	200E	WRPS
241AY151	Pump-Out Pit, Diversion Box	200E	WRPS
241AY152	Sluice Transfer Box	200E	WRPS
241AY401	Vent Recirculation Equipment Vault	200E	WRPS
241AY402	Vent Recirculation Equipment Vault	200E	WRPS
241AY51	Electrical Equipment Enclosure	200E	WRPS
241AY51A	Seismic Shutdown System 1A and 1B	200E	WRPS
241AY801A	Tank Farm Instrument House	200E	WRPS
241AZ151	Pump Pit / Catch Tank	200E	WRPS
241AZ152	Diversion Box	200E	WRPS
241AZ156	Mixer Pump Speed Control House	200E	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
241AZ271	Change House / Control Building	200E	WRPS
241AZ301A	Chemical Addition Building and Receiver Tank	200E	WRPS
241AZ401	Vent Recirculation Equipment Vault	200E	WRPS
241AZ402	Vent Recirculation Equipment Vault	200E	WRPS
241AZ701	Standby Diesel Generator Building	200E	WRPS
241AZ702	Waste Tank Ventilation Building	200E	WRPS
241AZ801A	AZ Tank Farm Instrument House	200E	WRPS
241B151	Diversion Box	200E	WRPS
241B152	Diversion Box	200E	WRPS
241B153	Diversion Box	200E	WRPS
241B154	Diversion Box	200E	WRPS
241B252	Diversion Box	200E	WRPS
241B301	Catch Tank - S of Diversion Box 241B252	200E	WRPS
241B302	Catch Tank	200E	WRPS
241B361	Underground Waste Settling Tank	200E	CHPRC
241B701	Instrument Air Compressor Building	200E	WRPS
241BR152	Diversion Box	200E	WRPS
241BX153	Diversion Box - S of BX Farm	200E	WRPS
241BX154	Diversion Box	200E	WRPS
241BX302A	Catch Tank (DB SST Tank)	200E	WRPS
241BX302B	Catch Tank (DB SST Tank)	200E	WRPS
241BX302C	Catch Tank (DB SST Tank)	200E	WRPS
241BXR151	Diversion Box	200E	WRPS
241BXR152	Diversion Box	200E	WRPS
241BXR153	Diversion Box - Waste Material Recovery Facility	200E	WRPS
241BY254	Control House and Compressor, ITS2	200E	WRPS
241BY301	Control House For In-Tank Solidification	200E	WRPS
241BY302	Compressor House, ITS1	200E	WRPS
241BYR152	Diversion Box	200E	WRPS
241BYR153	Diversion Box	200E	WRPS
241BYR154	Diversion Box	200E	WRPS
241C151	Diversion Box	200E	WRPS
241C152	Diversion Box	200E	WRPS
241C153	Diversion Box	200E	WRPS
241C154	Diversion Box - Near Hot Semi-Works	200E	WRPS
241C252	Diversion Box - C Tank Farm	200E	WRPS
241C301	Catch Tank - C Tank Farm	200E	WRPS
241C51	C Farm Electrical Equipment Enclosure	200E	WRPS
241C51A	Seismic Shutdown System 1A and 1B	200E	WRPS
241C73	C-Farm Service Building	200E	WRPS
241C801	Cesium Loadout Building	200E	WRPS
241C90	Air Compressor Facility	200E	WRPS
241C91	241C106 Tank Process Building	200E	WRPS
241CR151	Diversion Box	200E	WRPS
241CR152	Diversion Box	200E	WRPS
241CR153	Diversion Box	200E	WRPS
241CR271	Waste Disposal Control House	200E	WRPS
241CX40	Grout Removal Building	200E	CHPRC
241CX70	Mixed Waste Storage Tank	200E	CHPRC
241CX71	Acidic Waste Neutralization Tank	200E	CHPRC
241CX72	Self Concentrator Tank	200E	CHPRC
241CXV	Self Concentrator Vault	200E	CHPRC
241S151	Diversion Box - SE of Tank 241S110	200W	WRPS
241S152	Diversion Box - W of 242S	200W	WRPS
241S271A	Electrical/Instrument Control Building	200W	WRPS
241S271B	Electrical/Instrument Control Building	200W	WRPS
241S302A	Catch Tank - N of Diversion Box 241S151	200W	WRPS
241S302B	Catch Tank - E of 241SY103	200W	WRPS
241S304	Pump Pit / Catch Tank - Replacement of 241S302A	200W	WRPS
241SA	Valve Pits	200W	WRPS
241SB	Valve Pits	200W	WRPS
241SC	Valve Pits	200W	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
241SD	Valve Pits	200W	WRPS
241SX151	Diversion Box - SX Tank Farm	200W	WRPS
241SX152	Diversion Box - SX Tank Farm	200W	WRPS
241SX271	Tank Farm Control House	200W	WRPS
241SX281	Emergency Cooling Water Pump House	200W	WRPS
241SX302	Catch Tank - SX Tank Farm	200W	WRPS
241SX401	Waste Disposal Condenser House - North	200W	WRPS
241SX402	Waste Disposal Condenser House - South	200W	WRPS
241SX701	Waste Disposal Condenser House	200W	WRPS
241SXA	Valve Pits	200W	WRPS
241SXB	Valve Pits	200W	WRPS
241SY271	Instrument and Electrical Control House	200W	WRPS
241SY272	Electrical Building	200W	WRPS
241SY274	Gas Monitoring Shelter (GMS-1)	200W	WRPS
241SY275	Gas Monitoring Shelter (GMS-2)	200W	WRPS
241SY276	DACS Uninterruptible Power Supply Skid	200W	WRPS
241SYA	Valve Pit with Flush Pit	200W	WRPS
241SYB	Valve Pit with Flush Pit	200W	WRPS
241T151	Diversion Box	200W	WRPS
241T152	Diversion Box	200W	WRPS
241T153	Diversion Box	200W	WRPS
241T201	Catch Tank	200W	WRPS
241T202	Catch Tank	200W	WRPS
241T203	Catch Tank	200W	WRPS
241T204	Catch Tank	200W	WRPS
241T252	Diversion Box	200W	WRPS
241T301	Catch Tank - T Tank Farm	200W	WRPS
241T361	Waste Settling Tank Underground	200W	CHPRC
241T701	Instrument Air Compressor House	200W	WRPS
241TR152	Diversion Box	200W	WRPS
241TR153	Diversion Box	200W	WRPS
241TX152	Diversion Box	200W	WRPS
241TX153	Diversion Box	200W	WRPS
241TX154	Diversion Box	200W	WRPS
241TX155	Diversion Box	200W	WRPS
241TX302A	Catch Tank TX Tank Farm	200W	WRPS
241TX302B	Catch Tank TX Tank Farm	200W	WRPS
241TX302BR	Catch Tank TX Tank Farm	200W	WRPS
241TX302C	Catch Tank TX Tank Farm	200W	WRPS
241TX302X	Catch Tank TX Tank Farm	200W	WRPS
241TX701	Laundry Storage Facility	200W	WRPS
241TXR151	Diversion Box	200W	WRPS
241TXR152	Diversion Box	200W	WRPS
241TXR153	Diversion Box	200W	WRPS
241TY153	Diversion Box	200W	WRPS
241TY302A	Catch Tank TY Tank Farm	200W	WRPS
241TY302B	Catch Tank TY Tank Farm	200W	WRPS
241U151	Diversion Box	200W	WRPS
241U152	Diversion Box	200W	WRPS
241U153	Diversion Box	200W	WRPS
241U201	Catch Tank	200W	WRPS
241U202	Catch Tank	200W	WRPS
241U203	Catch Tank	200W	WRPS
241U204	Catch Tank	200W	WRPS
241U252	Diversion Box	200W	WRPS
241U271	U Tank Farm Control House	200W	WRPS
241U301	Catch Tank U-Plant	200W	WRPS
241U361	Waste Settling Tank Underground	200W	CHPRC
241U701	Instrument Air Compressor House	200W	WRPS
241UA	U Farm Valve and Flush Pit	200W	WRPS
241UB	U Farm Valve and Flush Pit	200W	WRPS
241UC	U Farm Valve and Flush Pit	200W	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
241UD	U Farm Valve and Flush Pit	200W	WRPS
241UR151	Diversion Box	200W	WRPS
241UR152	Diversion Box	200W	WRPS
241UR153	Diversion Box	200W	WRPS
241UR154	Diversion Box	200W	WRPS
241UX154	Diversion Box - U Plant	200W	WRPS
241UX302A	Catch Tank with Pump Pit	200W	WRPS
241WR	Thorium Storage Vault	200W	CHPRC
241ZRB	Retention Basin	200W	CHPRC
2420W	German Logs Storage Pad CWC	200W	CHPRC
242A	Evaporator	200E	WRPS
242A702	Turbine Building	200E	WRPS
242A81	Water Service Building	200E	WRPS
242AB	Evaporator Control Building	200E	WRPS
242A-BA	Boiler Annex	200E	JCI
242AC	Pipefitter's Shop	200E	WRPS
242AL11	LERF Storage Building	200E	CHPRC
242AL42	LERF Basin 42	200E	CHPRC
242AL43	LERF Basin 43	200E	CHPRC
242AL44	LERF Basin 44	200E	CHPRC
242AL71	LERF Instrument Building	200E	CHPRC
242B	Radioactive Particle Research Laboratory	200E	CHPRC
242BL	Cask Loading Building	200E	CHPRC
242S	242S Evaporator Facility	200W	WRPS
242S302C	Neutralization Tank - 242S	200W	WRPS
242S702	Turbine Building, Ventilation	200W	WRPS
242T	Waste Disposal Evaporator Building	200W	WRPS
242T271	Dust Control Barrier	200W	WRPS
242T601	Chemical Makeup Building	200W	WRPS
242T701	TX/TY Compressed Air Station	200W	WRPS
242TB	Vent House	200W	WRPS
242TC	Tank Farm Microcomputer Equipment Building	200W	WRPS
242Z	Waste Treatment & Americium Extraction Facility	200W	CHPRC
242ZA	Entrance Control Building for 242Z	200W	CHPRC
243G1	Grout Processing Facility Mix-Pump Module	200E	CHPRC
243G12	GPF Mobile Control Room	200E	CHPRC
243G1A	Grout Processing Facility Motor Pit	200E	CHPRC
243G2	Grout Processing Facility Dry Blend Handling and Feed Module	200E	CHPRC
243G3	Grout Processing Facility Additives Module	200E	CHPRC
243G4	Grout Processing Facility Control Room Module	200E	CHPRC
243G6	Grout Processing Facility Electrical Equipment Room	200E	CHPRC
243G8	Grout Processing Facility Filtration Module	200E	CHPRC
243G81	Grout Processing Facility Water Service Building	200E	CHPRC
243G82	Grout Processing Facility Pressure Reducing Valve Pit	200E	CHPRC
243G9	Grout Processing Facility Electrical Substation	200E	CHPRC
243T	Waste Storage Structure	200W	CHPRC
243Z	Low-Level Waste Treatment Facility	200W	CHPRC
243ZA	Low Level Waste Storage Facility	200W	CHPRC
243ZB	Cooling Towers and Concrete Pad	200W	CHPRC
244A	Waste Vault and Instrument House	200E	WRPS
244AR	Vault Storage and Processing Facility	200E	WRPS
244AR40	Cooling Water Diversion Box	200E	WRPS
244AR701	Emergency Generator Building	200E	WRPS
244AR702	500KW Standby Generator Enclosure	200E	WRPS
244AR712	Vault Air Lock and Load Out Bldg	200E	WRPS
244AR715	Closed Loop Cooling System	200E	WRPS
244AR716	South Compressor Building - W of 244AR	200E	WRPS
244AR717	Compressor Building - NW of 244AR	200E	WRPS
244BX	Double Contained Receiver Tank	200E	WRPS
244BX271	Electrical Instrumentation Control House	200E	WRPS
244BXR	Underground Waste Disposal Vault	200E	WRPS
244CR	C Tank Farm 'Waste Disposal Vault	200E	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
244S	Waste Lift Station (Vault)	200W	WRPS
244S271	Instrument Control House	200W	WRPS
244S2904	Flush Pit 244S Tank Farm	200W	WRPS
244TX	Salt Well Receiver Vault	200W	WRPS
244TX271	Electrical Instrumentation Control Building	200W	WRPS
244TX2904	Salt Well Receiver Flush Pit Building	200W	WRPS
244TXR	Waste Disposal Vault	200W	WRPS
244U	Salt Well Receiver Vault	200W	WRPS
244U271	244U Instrument Control House	200W	WRPS
244U2904	244U Flush Pit	200W	WRPS
244UR	Underground Waste Disposal Vault	200W	WRPS
2451E	Dry Material Facility Substation	200E	CHPRC
246S	Interim Storage Area - W of 212H	200E	CHPRC
2503Z	13.8kV Switch Yard - 234-5Z	200W	MSA
2506E1	Telecommunications	200E	MSA
2506E2	Telecommunications	200E	MSA
2506E3	Telecommunications	200E	MSA
2506E4	Telecommunications	200E	MSA
2506W1	Telecommunications	200W	MSA
251E	Substation A6 Switchgear Building WTP	200E	MSA
251W	Primary 230kV Switching Station	600	MSA
251W66	Petroleum Tank (Diesel)	600	MSA
2524WTP	LAW Switchgear Building	200E	BNI
252A	13.8kV Electrical Switching Structure	200E	MSA
252AB	PUREX Electrical Substation	200E	CHPRC
252AC	PUREX Mini Electrical Substation	200E	CHPRC
252E	Electrical Switching Station - 13.8kV	200E	CHPRC
252S	Electrical Switching Station - 13.8kV	200W	WRPS
252W	Electrical Switching Station - 13.8kV	200W	CHPRC
252Z	Electrical Substation (C8-S6)	200W	MSA
253E	Laydown Yard for Electrical Utilities	200E	MSA
2607E15	Sanitary Sewage Holding Tank Servicing MO493	200E	MSA
2607W1	Septic Tank N41200 W73926	200W	MSA
2607Z	Septic Tank N39730 W76462	200W	CHPRC
2610E	Engineering Proc and Const Shop	200E	CHPRC
2611E	Soil and Groundwater Warehouse	200E	CHPRC
2620W	Maintenance Facility WRAP	200W	CHPRC
2652WTP	Warehouse WTP	200E	BNI
267Z	Fire Riser 9 Valve House	200W	CHPRC
268Z	Mobile Box Assay Unit	200W	CHPRC
2701AB	PUREX Badge House	200E	CHPRC
2701EC	Guard Station for 209E	200E	CHPRC
2701HV	Office Building	200E	CHPRC
2701M	Office Building	200E	CHPRC
2701ZA	Patrol Central Alarm Monitoring Station - Z-Plant	200W	CHPRC
2701ZC	Vehicle Search Portal Outside PFP	200W	CHPRC
2701ZD	PFP Badge House	200W	CHPRC
2701ZE	Vehicle Inspection Shelter PFP	200W	CHPRC
2702Z	Telecommunications	200W	MSA
2703E	Chemical Engineering Laboratory	200E	WRPS
2704HV	TWRS Office Building	200E	WRPS
2704S	Office Building	200W	WRPS
2704W	Office Building	200W	CHPRC
2704Z	Office Administration Building	200W	CHPRC
2705S	Lab Office Building	200W	WRPS
2705Z	PFP Operations Control Facility	200W	CHPRC
2706T	Equipment Decontamination Building	200W	CHPRC
2706TA	Equipment Decontamination Annex	200W	CHPRC
2706TB	Holding Tanks Building	200W	CHPRC
2707AR	Sludge Vault Change House	200E	WRPS
2707AX	Change House AX Farm	200E	WRPS
2707SX	Carpenter Shop	200W	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
2707W	Change House	200W	CHPRC
2708S	Insulator Shop / Storage Building	200W	CHPRC
270A	Neutralization Tank	200E	CHPRC
270E	Underground Condensate Neutralization Tank	200E	CHPRC
270W	Underground Condensate Neutralization Tank	200W	CHPRC
270Z	PFP Operations Support Building	200W	CHPRC
2710S	Inert Gas Generator Building	200W	CHPRC
2710W	Coal Handlers Shelter	200W	CHPRC
2711A	Air Compressor Building	200E	CHPRC
2711B	Breathing Air Compressor Building	200E	CHPRC
2711E	Fleet Equipment Maintenance Shop & Administration	200E	MSA
2711E66	Petroleum Tank (Waste Oil)	200E	MSA
2711E66A	Petroleum Tank (Waste Oil)	200E	MSA
2711EA	Regulated Equipment Maintenance Shop	200E	MSA
2711EB	Heavy Mobile Equipment Maintenance Shop	200E	MSA
2711EC	Equipment Shed for 200E Garage	200E	MSA
2711ED	Heavy Equipment Washdown Carport	200E	MSA
2711EF	Heavy Equipment Washdown Supply Bldg w/Catch Tank	200E	MSA
2711S	Stack Gas Monitoring Station	200W	CHPRC
2712A	Vacuum Pump House	200E	CHPRC
2712B	Electrical/Instrumentation Building	200E	WRPS
2712S	Electrical/Instrumentation Building	200W	WRPS
2712T	Electrical/Instrumentation Building	200W	WRPS
2712U	Electrical/Instrumentation Building	200W	WRPS
2712Z	Stack Sampling and Monitoring Station	200W	CHPRC
2713S	Lab Office Building	200W	WRPS
2713W	200W Carpenter Shop	200W	CHPRC
2713WB	Regulated Garage, Heavy Equipment Repair	200W	WRPS
2713WC	Pesticide Washwater Recovery Facility	200W	MSA
2714A	Dry Chemical Warehouse	200E	CHPRC
2714S	Contaminated Equipment Maintenance	200W	WRPS
2715AW	Tank Farm Storage / Staging Facility	200E	WRPS
2715B	Paint Storage Building	200E	CHPRC
2715EC	Paint Shop	200E	MSA
2715ED	Paint Storage Facility	200E	MSA
2715EF	Covered Pad for Paint Supplies	200E	MSA
2715S	Oil Storage Building	200W	CHPRC
2715T	Instrument Tech Shop	200W	CHPRC
2715WA	Tank Farm Storage and Staging Facility	200W	WRPS
2715ZL	Oil Storage Building	200W	CHPRC
2716B	RM Checkout Station, RR Tunnel	200E	CHPRC
2716E	Power Maintenance Storage Building	200E	CHPRC
2716S	Laboratory Storage	200W	WRPS
2716T	RM Checkout Station Near Tunnel	200W	CHPRC
2718E	Critical Mass Laboratory Fissile Storage Building	200E	CHPRC
2718S	Equipment/Lead Shielding Storage Shed	200W	CHPRC
2719EA	Electrical Shop - 4th and Baltimore	200E	MSA
2719WB	Modular First Aid Station	200W	MSA
271AB	PUREX Maintenance Support Facility	200E	CHPRC
271B	B Plant Support Building	200E	CHPRC
271BA	Laundry Storage Building	200E	CHPRC
271CR	Service and Office Building	200E	WRPS
271T	T Plant Service Building	200W	CHPRC
271U	U Plant Administration Building	200W	CHPRC
2720EA	Office Building	200E	MSA
2721E	Office Building	200E	MSA
2721EA	Fire Systems Maintenance North	200E	MSA
2721Z	Emergency Generator Service Building	200W	CHPRC
2722W	Welding Laboratory Building	200W	CHPRC
2723W	Mask Laundry and Office Building	200W	CHPRC
2724A	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724AB	Rad Monitoring & Protective Clothing Bldg	200E	WRPS

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
2724AY	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724AZ	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724B	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724BX	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724BY	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724BYA	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724CA	Rad Monitoring & Protective Clothing Bldg	200E	WRPS
2724SX	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724SY	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724T	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724TX	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724TXA	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724TXB	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724U	Rad Monitoring & Protective Clothing Bldg	200W	WRPS
2724WB	Storage Building	200W	MSA
2725E	Covered Parking - S of 2720EA	200E	MSA
2726S	Propane Storage Yard	200W	CHPRC
2727E	Office Building	200E	MSA
2727W	Sodium Storage Building	200W	CHPRC
2727WA	Sodium Storage Building	200W	WRPS
2727Z	Supply Storage Building	200W	CHPRC
2728W	Dimensional Inspection Building	200W	CHPRC
2729Z	Storage Building	200W	CHPRC
272AW	Tank Farm Operations Support Facility	200E	WRPS
272B	Electrical Maintenance Shop	200E	CHPRC
272BA	Dry Material Storage Building	200E	CHPRC
272BB	Insulation Shop	200E	CHPRC
272E	Fabrication, Mockup Shop Building	200E	CHPRC
272EA	SWP Change Shelters - Two	200E	WRPS
272HV	CSB Change Room Facility & Office Bldg	200E	CHPRC
272S	Maintenance Shop	200W	WRPS
272W	Machine Shop Building	200W	CHPRC
272WA	Tank Farm Support Facility	200W	WRPS
272W-BA	272W Boiler Annex	200W	JCI
2731ZA	Container Storage Building	200W	CHPRC
2734EA	Gas Cylinder Storage Building	200E	CHPRC
2734S	Liquid Nitrogen Storage Facility	200W	WRPS
2734SX	Gas Cylinder Storage Enclosure	200W	WRPS
2734ZA	Gas Bottle Storage	200W	CHPRC
2734ZB	Gas Bottle Storage	200W	CHPRC
2734ZC	Gas Bottle Storage	200W	CHPRC
2734ZD	Process Gas Storage	200W	CHPRC
2734ZJ	Liquid Nitrogen Storage Pad and Tank	200W	CHPRC
2734ZK	Gas Cylinder Storage	200W	CHPRC
2734ZL	Hydrogen Fluoride Facility	200W	CHPRC
2735Z	Chemical Storage Tanks and Catch Basin	200W	CHPRC
2736Z	Plutonium Storage Building	200W	CHPRC
2736ZA	Plutonium Storage Ventilation Structure	200W	CHPRC
2736ZB	Plutonium Storage Support Building	200W	CHPRC
2736ZC	Cargo Restraint Transport Dock	200W	CHPRC
2736ZD	Vault - EBR II Casks	200W	CHPRC
273E	Vehicle Maintenance Shop	200E	MSA
273EA	Storage Yard / Pad	200E	WRPS
273W	Material Storage	200W	CHPRC
2740W	WRAP Office Building	200W	CHPRC
274AW	Office Building	200E	WRPS
274E	Landlord and Maintenance Shop	200E	MSA
2750E	Office Building	200E	WRPS
2751E	Office Building	200E	MSA
2752E	Office Building	200E	WRPS
2753E	Office Building	200E	CHPRC
2754W	200W Office and Change Facility	200W	MSA
275E	Carpenter Shop Building	200E	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
275EA	Warehouse Essential Materials	200E	CHPRC
275E-BA	Machine Shop	200E	MSA
275W	Heavy Equipment Shop	200W	MSA
276A	Cold Solvent Storage Building, R Cell	200E	CHPRC
276B	Paint Shop	200E	CHPRC
276C	Solvent Handling Building	200E	CHPRC
276S	Cold Solvent Storage and Makeup Building	200W	CHPRC
276S141	Hexone Storage Tank-Underground	200W	CHPRC
276S142	Hexone Storage Tank-Underground	200W	CHPRC
276U	Solvent Recovery Tanks	200W	CHPRC
277A	All-Craft Fabrication Shop	200E	WRPS
277T	Material Storage	200W	CHPRC
277W	Fabrication Shop	200W	CHPRC
278AW	Tank Farm Document Control Center	200E	WRPS
278WA	WM/TRU Document Control Center	200W	CHPRC
279W	Sand Blasting Shop	200W	WRPS
281A	Backup Generator Facility	200E	CHPRC
281W	Premises Isolation Enclosure	200W	MSA
282B	Water Pump House South	200E	CHPRC
282BA	Water Pump House North	200E	CHPRC
282E	Pump House and Reservoir	200E	MSA
282EA	North Water Reservoir Inlet House	200E	MSA
282EB	Water Reservoir Inlet House, South	200E	MSA
282EC	EW Pump House - SW of Fire Pump House	200E	MSA
282ED	Standby Generator Enclosure	200E	MSA
282W	Reservoir Pump House	200W	MSA
282WA	Water Inlet House	200W	MSA
282WB	Water Plant Seepage and Settling Pond	200W	CHPRC
282WC	EW Pump House - SW of Fire Pump House	200W	MSA
282WD	Standby Generator Enclosure	200W	MSA
283E	Water Filtration Plant	200E	MSA
283EA	Sanitary Water Tank	200E	MSA
283E-BA	283E Building Boiler Annex	200E	JCI
283W	Water Filtration Plant	200W	MSA
283WA	Sanitary Water Tank	200W	MSA
283WB	Equalization Basin and Pump Station	200W	MSA
283W-BA	283W Boiler Annex	200W	JCI
283WC	Solid Contact Clarifier Tank	200W	MSA
283WD	Recycle Pump Station	200W	MSA
283WE	Sludge Lagoons	200W	MSA
283WF	Sample Building	200W	MSA
284E	Power House and Steam Plant	200E	CHPRC
284EA	Salt Brine Storage Tank (Fiberglass)	200E	CHPRC
284EB	Power House Filtration Building	200E	CHPRC
284W	Power House and Steam Plant	200W	CHPRC
284WB	Package Boiler Plant (200W)	200W	CHPRC
285W	Backflow Prevention Building	200W	CHPRC
286W	RMW Backflow Preventer Bldg	200W	CHPRC
287W	Reduced Pressure Backflow Assembly No. 2	200W	MSA
289E	Purgewater Storage Tanks	600	CHPRC
289T	Pump and Treat Bio Process Building	200W	CHPRC
289TA	Pump and Treat System Rad Building	200W	CHPRC
289TB	Pump and Treat Extraction Transfer Building 1	200W	CHPRC
289TC	Pump and Treat Extraction Transfer Building 2	200W	CHPRC
289TD	Pump and Treat Injection Transfer Building 1	600	CHPRC
289TE	Pump and Treat Injection Transfer Building 2	200W	CHPRC
289TF	Pump and Treat Extraction Transfer Building 3	200W	CHPRC
289W	Reduced Pressure Backflow Assembly No 1	200W	MSA
2901A	Elevated Water Storage Tank - PUREX	200E	CHPRC
2901R	Export Water Line Valve Vault	600	MSA
2901S	Elevated Water Storage Tank-REDOX	200W	CHPRC
2901SX1	Water Storage Tank for 241SX281	200W	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
2901SX2	Water Storage Tank for 241SX281	200W	CHPRC
2901T	Export Water Line Valve Vault	600	MSA
2901U	Export Water Line Valve Vault	600	MSA
2901W	Export Water Line Valve Vault	600	MSA
2901X	Export Water Line Valve House	600	MSA
2901Y	Export Water Line Valve House	600	MSA
2901Z	Export Water Line Valve House	600	MSA
2902B	Elevated Water Storage Tank-B Plant	200E	CHPRC
2902E	200E Elevated Water Storage Tank	200E	CHPRC
2902HV80	Fire Water Storage Tank	200E	CHPRC
2902HV82	Fire Water Pump House	200E	CHPRC
2902HV83	RWX/SWX Manifold Shelter	200E	MSA
2902W	200W Elevated Water Storage Tank	200W	CHPRC
2904AR	Cooling Water Sampler Monitoring System	200E	WRPS
2904S160	Control Structure	200W	CHPRC
2904S170	Weir Structure	200W	CHPRC
2904S171	Weir Control Structure	200W	CHPRC
2904S172	Weir Control Structure	200W	CHPRC
2904SA	Cooling Water Sampler Building	200W	CHPRC
291A	PUREX Main Exhaust System	200E	CHPRC
291A001	Stack (Main) - 202A	200E	CHPRC
291AA	Filter Cell 3	200E	CHPRC
291AB	Exhaust Air Sampler House 1	200E	CHPRC
291AC	Exhaust Air Sampler House 2	200E	CHPRC
291AD	Ammonia Off-Gas Building	200E	CHPRC
291AE	Filter Cell 4	200E	CHPRC
291AF	Filter and Drain Tank 2	200E	CHPRC
291AG	Sample Station 2	200E	CHPRC
291AH	Ammonia Off Gas Sample Station	200E	CHPRC
291AJ	Sample Station 3	200E	CHPRC
291AK	Tunnel Spray Enclosure and Caissons	200E	CHPRC
291AR	Exhaust Air Filter Stack Building	200E	WRPS
291B	Exhaust Air Control House, Sand Filter	200E	CHPRC
291B001	221B Main Stack	200E	CHPRC
291BA	Exhaust Air Sample House	200E	CHPRC
291BB	Instrument Building 1st & 2nd Filter Vaults	200E	CHPRC
291BC	1st & 2nd Filter Vaults & 291BD Access Control Bldg	200E	CHPRC
291BD	Instrument Bldg & 3rd Filter Vault	200E	CHPRC
291BF	Instrument Bldg & 4th Filter Vault	200E	CHPRC
291BG	Instrument Bldg & 5th Filter Vault	200E	CHPRC
291BH	Fifth Filter Vault Plug Cover	200E	CHPRC
291BJ	Instrument Building & 6th Filter Vault	200E	CHPRC
291BK	Instrument Bldg for 5th & 6th Filter Vaults	200E	CHPRC
291C	Hot Semi-Works Exhaust System	200E	CHPRC
291CR	244CR Vault Ventilation System	200E	WRPS
291S	Exhaust Fan Control House, Sand Filter & Exhaust Plenums	200W	CHPRC
291S001	Stack (Main) - 202S	200W	CHPRC
291T	Exhaust Fan Control House, Sand Filter & Plenum	200W	CHPRC
291T001	Stack (Main) - 221T	200W	CHPRC
291U	Exhaust Fan Control House, Plenums, Sand Filter, Blower Pit & Sample House	200W	CHPRC
291U001	Exhaust Air Stack (221 Main)	200W	CHPRC
291Z	Exhaust Air Filter Stack Building	200W	CHPRC
291Z001	Main Exhaust Air Stack (234-5Z, 236Z, 242Z)	200W	CHPRC
292AA	Plutonium Recovery Stack Sample House	200E	CHPRC
292AB	PUREX Gas Effluent Monitoring Building	200E	CHPRC
292AR	244AR Vent System Bldg & Vault	200E	WRPS
292B	Stack Monitor Station	200E	CHPRC
292S	Jet Pit House	200W	CHPRC
292T	Exhaust Gas Laboratory	200W	CHPRC
292U	Stack Monitoring Station	200W	CHPRC
293A	Off-Gas Treatment Facility	200E	CHPRC
293S	Acid Recovery and Off Gas Treatment Facility	200W	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
293W	Waste Container Enclosure - 218W3A	200W	CHPRC
294A	Off Gas Treatment and Monitoring Station	200E	CHPRC
294B	Backflow Preventer Building	200E	CHPRC
295A	ASD Monitoring/Sample Station	200E	CHPRC
295AA	SCD Sample and Pumpout Station	200E	CHPRC
295AB	PDD Sample Station	200E	CHPRC
295AC	Chemical Sewer Line Sample Station	200E	CHPRC
295AD	SWL Sample Station	200E	CHPRC
295AE	PDD Monitoring Building	200E	CHPRC
295AZ	ASD Monitoring/Sample Cassion - S of PUREX and 295A	200E	CHPRC
296A008	Stack, PUREX Plant Pipe, Operating Gallery, and White Room Exhaust	200E	CHPRC
296A010	Stack - Storage Tunnel No. 2	200E	CHPRC
296A012	Stack - 244AR Vault Vessel Ventilation	200E	WRPS
296A013	Stack - 244AR Vault Canyon/Cells Ventilation	200E	WRPS
296A018	Stack - 241AY101 Tank Annulus Ventilation	200E	WRPS
296A019	Stack - 241AY102 Tank Annulus Ventilation	200E	WRPS
296A020	Stack - 241AZ Tank Annuli Exhaust	200E	WRPS
296A021	Stack - 242A Evaporator Bldg Ventilation	200E	WRPS
296A022	Stack - 242A Evaporator Vessel Ventilation	200E	WRPS
296A027	AW Tank Farm Primary Tank Ventilation	200E	WRPS
296A028	Stack - AW Tank Farm Annulus Ventilation	200E	WRPS
296A029	Stack - AN Tank Farm Primary Tank Ventilation	200E	WRPS
296A030	Stack - AN Tank Farm Annulus Ventilation	200E	WRPS
296A040	Stack - AP Tank Farm Primary Tank Ventilation	200E	WRPS
296A041	Stack - AP Tank Farm Annulus Ventilation	200E	WRPS
296A044	Stack - AN Tank Farm Exhauster	200E	WRPS
296A045	Stack - AN Tank Farm Exhauster	200E	WRPS
296B010	WESF Stack Exhaust	200E	CHPRC
296B013	Stack, 221BF Condensate Effluent Discharge Facility Ventilation	200E	CHPRC
296C005	244CR Vault Ventilation System Stack	200E	WRPS
296C006	Exhaust Stack for Tank 241C106	200E	WRPS
296C007	Exhaust Stack -Tank 241C103 Vapor Mix System	200E	WRPS
296E001	Stack - Effluent Treatment Exhaust (2025E)	200E	CHPRC
296G001	Stack - TGF (Grout) Air Filtration Module	200E	CHPRC
296G1	TGE HVAC Exhaust Stack	200E	CHPRC
296H212	Canister Storage Building Main Stack	200E	CHPRC
296K105	Air Sparging Vent 105KW Basin	100K	CHPRC
296K142	Cold Vacuum Drying Facility Main Stack	100K	CHPRC
296P017	Portable Exhauster For Tanks 241A104/105/106	200E	WRPS
296P022	Stack - 241SY Tank Farm Annulus Ventilation	200W	WRPS
296P023	Stack - 241SY Tank Farm Primary Tank Ventilation	200W	WRPS
296P026	Stack - 241AY/AZ Primary Tank Backup Vent, 296A17	200E	WRPS
296P028	Stack - 241SY Primary Tank Backup Vent, 296P23	200W	WRPS
296S012	Twin Stacks - 276S	200W	CHPRC
296S015	Stack - 241SX107-112 and 241SX114 Ventilation	200W	WRPS
296S016	Stack - 219S Bldg Vault and Waste Tanks Exhaust	200W	WRPS
296S018	Stack - 242S Evaporator Bldg Ventilation	200W	WRPS
296S021	Stack - 222S Filter House Exhaust Stack	200W	WRPS
296S025	Stack - 241SY Primary Ventilation System	200W	WRPS
296Z015	Exhaust Stack for 243Z Building	200W	CHPRC
307	300 Area Process Sewer Retention Basins	300	WCH
308	Fuels Development Laboratory	300	WCH
308A	Fuels Development Laboratory	300	WCH
309	Plutonium Recycle Test Reactor - Offices - Shop	300	WCH
310	Treated Effluent Disposal Facility	300	WCH
310S	Drum Storage Area 300 TEDF	300	WCH
310T1	Equalization Tank T1-TEDF	300	WCH
310T2	Diversion Tank T2 - TEDF	300	WCH
310T3	Diversion Tank T3 - TEDF	300	WCH
310T7A	Clarifier T7A - TEDF	300	WCH
310T7B	Clarifier T7B - TEDF	300	WCH
310V	Valve Vault TEDF	300	WCH

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
312	River Pumping Station	300	PNNL
315	Filter Water Plant Building	300	WCH
315A	Chlorinator/Injection Building	300	WCH
315B	Chlorine Storage Building	300	WCH
315C	Backwash Sedimentation Pond	300	WCH
315D	Backwash Recycle Lift Station	300	WCH
318	HTLTR/Radiological Calibrations Laboratory	300	PNNL
318B	High Temperature Lattice Test Reactor Stack	300	PNNL
318-BA	318 Boiler Annex	300	JCI
318C	HTLTR Exhaust Filter Pit & Underground Duct	300	PNNL
320	Physical Sciences Laboratory	300	WCH
320-BA	320 Boiler Annex	300	JCI
321	Hydromechanical / Seismic Facility	300	WCH
3212	Records Storage Facility	300	MSA
3220	Telecommunications / Records	300	MSA
323	Mechanical Properties Laboratory	300	WCH
323-BA	323 Boiler Annex	300	JCI
324	Waste Technology Engineering Laboratory	300	WCH
324A	Exhaust Stack Monitoring Building (Original)	300	WCH
324B	Exhaust Stack Monitoring Building (Replacement)	300	WCH
324-BA	Boiler Annex	300	JCI
324C	Experimental Lithium Enclosure	300	WCH
324D	Exhaust Stack Sampling Building	300	WCH
324S	RPS Holdup Tank & Diversion System	300	WCH
325	Radiochemical Processing Laboratory	300	PNNL
325A	Cesium Recovery Facility	300	PNNL
325B	Shielded Laboratory Annex	300	PNNL
325-BA	Boiler Annex	300	JCI
325C	Maintenance Shop Addition	300	PNNL
325D	Fluorine Gas Storage	300	PNNL
325E	Fire Riser/Backflow Preventer Building	300	PNNL
326	Material Science Laboratory	300	WCH
326-BA	326 Boiler Annex	300	JCI
327	Post-irradiation Testing Laboratory	300	WCH
327-BA	327 Boiler Annex	300	WCH
329	Chemical Sciences Laboratory	300	WCH
331	Life Sciences Laboratory	300	PNNL
331-BA	331 Boiler Annex	300	JCI
331C	Interim Waste Storage and Disposal	300	WCH
331D	Biomagnetic Effects Laboratory	300	WCH
331G	Integration Laboratory	300	WCH
331H	Aerosol Wind Tunnel Research Facility	300	WCH
331K	Self Contained Laboratory	300	PNNL
332	Packaging Test Facility	300	WCH
335	Sodium Test Facility	300	WCH
336	High Bay Testing Facility	300	WCH
337	Technical Management Center	300	WCH
337B	337 Bldg High-Bay and Service Wing	300	WCH
337-BA	337 Boiler Annex	300	WCH
338	Maintenance Building	300	WCH
339A	Telecommunications	300	MSA
340	Waste Neutralization Building	300	WCH
340A	Waste Retention Building	300	WCH
340B	Waste Loadout Building	300	WCH
342	300 Area TEDF Waste Collection Sump	300	WCH
342A	300 Area TEDF Electrical / Instrumentation Bldg	300	WCH
342B	300 Area TEDF Transformer Pad / Vault	300	WCH
342C	300 Area TEDF Generator Pad	300	WCH
350	Plant Operations and Maintenance Facility	300	PNNL
3503B	Electrical Cable Pit No. 3	300	WCH
3506C	Telecommunications	300	WCH
3507	Telecommunications	300	MSA

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
350A	Paint Shop	300	PNNL
350B	Maintenance Material Warehouse	300	PNNL
350C	Storage Building	300	PNNL
350D	Oil Storage Facility	300	PNNL
351	115kV Substation	300	WCH
351A	Meter and Testing Building	300	WCH
351B	Meter Testing and Switchgear Building	300	WCH
352E	Switch Station East Side	300	WCH
352F	Electrical Substation 13.8kV	300	WCH
361	CTBT Equipment Shelter	300	PNNL
3614A	River Monitoring Station	300	PNNL
3621-66	Tank Petroleum (Diesel)	300	WCH
3621BC	Emergency Generator Building	300	WCH
3621D	Emergency Generator Building and Shop	300	WCH
3707F	Radiation Monitoring Building	300	WCH
3709A	Fire Station	300	MSA
3709B	Fire Equipment Storage	300	MSA
3714	Soil and Cement Laboratory	300	WCH
3717C	Materials Archive Building	300	WCH
3718	Office and Storage Building	300	WCH
3718A	Laboratory Equipment Central Pool Bldg	300	WCH
3718B	Laboratory Equipment Central Pool Bldg	300	WCH
3718C	Storage Building	300	WCH
3718E	Laboratory Equipment Central Pool Storage Building	300	WCH
3718G	Laboratory Equipment Central Pool Storage Building	300	WCH
3718M	Sodium Storage Facility	300	WCH
3718N	Insulation Shop	300	WCH
3718P	Environmental Storage Building	300	WCH
3723	Solvent / Acid Storage	300	WCH
3727	Classified Vault	300	WCH
3728	Geotechnical High Bay	300	WCH
3730	Gamma Irradiation Facility	300	WCH
3760	Technical Library	300	WCH
3766	Office Building	300	WCH
3790	Security Office Building	300	WCH
3802A	Steam PRV Station	300	WCH
382	Pump House Building	300	WCH
382B	Fire Pump Station	300	WCH
382-BA	382 Boiler Annex	300	JCI
382C	Sanitary Water Storage Tank	300	WCH
382D	Sanitary Water Storage Tank N of 326	300	WCH
385	Sanitary Water Pump House	300	WCH
3906	Process Sewer Pump Station	300	WCH
3906A	Sanitary Sewer Lift Station 1	300	WCH
3906B	Sanitary Sewer Lift Station 2	300	WCH
3906C	Sanitary Sewer Monitoring Station	300	WCH
402	Sodium Storage Facility	400	CHPRC
403	Fuel Storage Facility	400	CHPRC
405	FFTF Reactor Containment Building	400	CHPRC
408A	Main HeDump, East	400	CHPRC
408B	Main HeDump, South	400	CHPRC
408C	Main HeDump, West	400	CHPRC
409A	Closed Loop HeDump, East 1	400	CHPRC
409B	Closed Loop HeDump, East 2	400	CHPRC
4220	Telecommunications	400	MSA
4221	Telecommunications	400	MSA
427	Fuels and Materials Examination Facility	400	CHPRC
427A	Argon / Hydrogen Mixing Bldg	400	CHPRC
432A	Interim Storage Area Equipment Storage	400	CHPRC
436	Training Facility	400	CHPRC
437	Maintenance and Storage Facility (MASF)	400	CHPRC
440	Hazardous Waste Temporary Storage	400	CHPRC
451A	FFTF Substation, 115/13.8kV	400	MSA
451B	FFTF Substation, 115/13.8kV	400	MSA
453A	Transformer Station, East DHX A1 2.4kV	400	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
453B	Transformer Station, South DHX A2 2.4kV	400	CHPRC
453C	Transformer Station, West DHX A3 2.4kV	400	CHPRC
4607	Septic Tank (60,000 gal)	400	CHPRC
4608B	Control Structure & Process Sewer Sampling Station	400	CHPRC
4621E	Auxiliary Equipment Building, East	400	CHPRC
4621W	Auxiliary Equipment Building, West	400	CHPRC
4701A	Kentucky Blvd Guard Station	400	CHPRC
4701B	Grant Ave Guard Station	400	WCH
4701C	FMEF Gate Bldg - Hayes Street	400	CHPRC
4702	Office Building	400	WCH
4703	FFTF Control Building	400	CHPRC
4704N	CHREST Storage	400	MSA
4704S	400 Area Fire Station	400	MSA
4706	Office Building	400	WCH
4707	400 Area Site Support Office	400	MSA
4710	Operations Support Building	400	CHPRC
4713A	Riggers and Drivers Operations Facility	400	CHPRC
4713B	FFTF Maintenance Shop	400	CHPRC
4713C	Contaminated Storage Warehouse	400	CHPRC
4713D	Interim Maintenance and Storage Facility	400	CHPRC
4716	FFTF Rigging Loft	400	CHPRC
4717	Reactor Service Building	400	CHPRC
4718	400 Area Interim Storage Area Pad	400	CHPRC
4719	Patrol Annex	400	WCH
4721	FFTF Emergency Generator Building	400	CHPRC
4722B	Riggers Shop	400	WCH
4722C	Painters Shop	400	MSA
4726	Riggers Supply Storage Bldg	400	WCH
4727	Maintenance Flammable Storage Building	400	WCH
4732A	Warehouse	400	MSA
4732B	Warehouse	400	CHPRC
4732C	Warehouse	400	MSA
4734A	FFTF Argon/Nitrogen DEWAR Pad	400	CHPRC
4734B	Recycle Center	400	MSA
4734C	Vehicle Maintenance Shop	400	MSA
4734D	Warehouse	400	WCH
4760	Construction Shop	400	WCH
4790	Patrol Headquarters Building	400	WCH
4790A	Telecommunications	400	MSA
4791TC	Warehouse (General Storage)	400	WCH
4802	Office / Warehouse	400	CHPRC
480A	Water Supply Well House (P-14)	400	CHPRC
480B	Water Supply Well House (P-15)	400	CHPRC
480D	Water Supply Well House (P-16)	400	CHPRC
481	Water Pump House	400	CHPRC
4814	Warehouse	400	WCH
481A	Water Pump House	400	CHPRC
482A	Water Storage Tank (T-58)	400	CHPRC
482B	Water Storage Tank (T-87)	400	CHPRC
482C	Water Storage Tank (T-330)	400	CHPRC
483	Cooling Towers Chemical Addition Bldg	400	CHPRC
4831	Flammable Storage	400	WCH
483A	FMEF Cooling Tower	400	CHPRC
483B	FMEF Water Treatment Building	400	CHPRC
484	FFTF In-Containment Chiller Water Equipment Bldg	400	CHPRC
4842A	451B Substation Switchgear Building	400	MSA
4842B	Pump Houses Switchgear Building	400	CHPRC
4843	Interim Solid Sanitary Waste Transfer Facility	400	WCH
4852	Gas Bottle Storage-FMEF	400	CHPRC
4862	FMEF Office Wing and Shop	400	CHPRC
491E	HTS Service Building, East	400	CHPRC
491S	HTS Service Building, South	400	CHPRC
491W	HTS Service Building, West	400	CHPRC
506B	Telephone Storage Building	600	CHPRC
506BA	Telecommunications Facility North	600	MSA
6004KW	100KW Pump and Treat Process Facility	600	CHPRC

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
600LYS	Central Landfill Lysimeter	600	CHPRC
6010	Emergency Vehicle Operations Course (EVOC)	600	MSA
604A	Yakima Barricade Guard Station	600	MSA
6088	HAMMER - Field Exercise Building	600	MSA
6089	HAMMER - Operations Building	600	MSA
609	Central Fire Station - 100 Areas	600	MSA
6091	HAMMER - Administration Building	600	MSA
6092	HAMMER - AL ALM Building	600	MSA
6092A	HAMMER - Training Tower Structure	600	MSA
6092B	HAMMER - Burn Structure Prop	600	MSA
6092C	HAMMER - HAZMPad	600	MSA
6092D	HAMMER - Pipeline Pad	600	MSA
6092E	HAMMER - 90 Day Storage Pad	600	MSA
6092F	HAMMER - Liquified Petroleum Gas Burn Pad	600	MSA
6092G	HAMMER - Flammable Liquid Burn Pad	600	MSA
6092H	HAMMER - Comfort Station	600	MSA
6092I	HAMMER - Pump House	600	MSA
6092J	HAMMER - Confined Space/Fall Protection Pad	600	MSA
6092K	HAMMER - Waste Tank Prop	600	MSA
6092L	HAMMER - Tanks Prop Pad	600	MSA
6092M	HAMMER - Rail Tank Prop	600	MSA
6092N	HAMMER - Liquified Petroleum Gas Storage	600	MSA
6092O	HAMMER - Rail/Truck Tank Burn Pad	600	MSA
6092P	HAMMER - SCBA Search & Rescue Training Pad	600	MSA
6092Q	HAMMER - Trench Prop	600	MSA
6092R	HAMMER - Crane and Rigging Training Pad	600	MSA
6092S	HAMMER - Dept of State Port of Entry Training Facility	600	MSA
6092U	HAMMER - Vehicle Burn Prop	600	MSA
6092V	HAMMER - Tactical Maze Training Building	600	MSA
6093	HAMMER - Storage Building	600	MSA
6094	HAMMER - ALM Building Annex	600	MSA
6095	Simulator Training Building	600	BNI
6096	HAMMER - Volpentest Annex Building	600	MSA
6097	State Department Training Building	600	MSA
6098	Al Alm Storage Building	600	MSA
6099	Health and Safety Building	600	MSA
609A	Fire Station - 200 Areas	600	MSA
609D	Fire Department Training Tower	600	MSA
609G	Fire Alarm and Testing Office Facility	600	MSA
609H	Emergency Vehicle Storage	600	MSA
609J	Breathing Air Facility	600	MSA
609K	Fire Station Storage Building	600	MSA
609L	Respiratory Equipment Storage Shed	600	MSA
609M	Material Storage Shed - Hammer	600	MSA
609N	Material Storage Shed - Hammer	600	MSA
610	Chlorinator Storage Shelter - 609 Bldg	600	MSA
611	Cold Test Facility Warehouse	600	WRPS
612	RCT Shed	100D	WCH
6120	Salt and Sand Storage	600	MSA
613	Storage Shelter - 609 Bldg	600	CHPRC
6130	Salt and Sand Storage	600	MSA
614	Monitor Station	600	CHPRC
6140	Fabric Covered Tent - NW of 100K Fence Line	600	WCH
614A1	Water Sampling Station	600	CHPRC
614B1	Water Sampling Station	600	CHPRC
616	Nonradioactive Dangerous Waste Storage Facility	600	WRPS
616A	State Approved Land Disposal Structure (SALDS)	600	CHPRC
618A	Egress Tent - 618-10 Burial Ground	600	WCH
618B	Egress Tent - 618-10 Burial Ground	600	WCH
618C	Egress Tent - 618-10 Burial Ground	600	WCH
619C	EVOC Carport	600	MSA
620	Tank Waste Retrieval Pit and Caisson	600	WRPS
622	Meteorology Tower	600	MSA
6221N	ERDS Tower	600	MSA
6221NA	6221N Tower Building	600	MSA
6223	ERDS Tower - W of 300 Area	600	MSA

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
6223A	6223 Tower Building	600	MSA
6224	ERDS Tower - S of 400 Area	600	MSA
6224A	6224 Tower Building	600	MSA
622A	Elevator Control Building	600	MSA
622B	Pilot Balloon Release Building	600	MSA
622C	Environmental Support Storage Building	600	MSA
622F	Field Storage Building	600	MSA
622R	Meteorology Lab	600	MSA
623	Telecommunications	600	CHPRC
6230A	B & C Doppler 622R (AKA 6232A)	600	MSA
6231NA	NB and NC Doppler between 100N and 100D	600	MSA
6233A	B and C Doppler West of 300 area	600	MSA
6234A	B and C Doppler South of 400 area	600	MSA
623A	Plant Radio Relay Bldg (Top of Rattlesnake Mtn)	600	CHPRC
623B	Telecommunications	600	MSA
6241A	Diversion Box and Support Building	200W	WRPS
6241L	Leak Detection Package for 2E/2W X-Site Transfer Line	200E	WRPS
6241V	Vent Station and Support Building	600	WRPS
6250	ERDF Equipment Maintenance Op Center	600	WCH
6251	ERDF Equipment Maintenance Facility	600	WCH
626	Scale House ERDF	600	WCH
6260	ERDF Container Maintenance Building	600	WCH
6265	WSCF Utility Building	600	MSA
6265A	WSCF Covered Solid Waste Storage Pad	600	MSA
6266	WSCF Environmental Support Laboratory	600	MSA
6266A	WSCF Contaminated Liquid Waste Retention Vault	600	MSA
6266B	WSCF Vacuum Pump Building	600	MSA
6267	WSCF Cold Sample Archiving Facility	600	MSA
6268	WSCF Sample Equipment Cleaning Facility	600	MSA
6269	WSCF Mobile Laboratory Storage Facility	600	MSA
6270	WSCF Environmental Data Remedial Tracking System Facility	600	MSA
6290	Rigging Services Facility	600	MSA
6291	Fueling Facility	600	MSA
6291-66	Petroleum Tank (Diesel) Fuel Station	600	MSA
6291-66A	Petroleum Tank (Unleaded Gas) Fuel Station	600	MSA
6291-66B	Petroleum Tank (E-85) Fuel Station	600	MSA
6292	Rigging Loft Storage Building - S of 6290	600	MSA
6293	Crane & Rigging Change Room & Meeting Bldg	600	MSA
6294	Fuel Station Storage Building	600	MSA
630	Plant Microwave Tower/Equipment Facility	600	MSA
631	Scale House ERDF	600	WCH
633	Range 5 Shoothouse	600	MSA
635	Portable RCT Shed	100D	WCH
636	Scale House off of Landfill North Road	600	WCH
637	DS Survey Enclosure - 618-10 Burial Site	600	WCH
638	Survey Tent	600	WCH
646	Radioecology Field Laboratory	600	CHPRC
6607-13	Septic Tank N37752, W55100	200E	MSA
6607-19	Septic Tank and Drain Field	600	MSA
6607-2	Septic Tank - Near 622R N44860, W70105	600	MSA
6607-4	Septic Tank N40490, W62910	600	MSA
6607-8	Septic Tank N50667, W6556	600	MSA
6608	Biosolids Handling Facility	600	MSA
6618	Environmental Restoration Disposal Facility	600	WCH
6618A	ERDF North Crest Circuit Breaker Bldg	600	WCH
6618B	ERDF South Crest Circuit Breaker Bldg	600	WCH
6618C	ERDF Leachate Pump House	600	WCH
6618D	ERDF Truck Shop Building	600	WCH
6618E	Cell 3 Crest Pad Building	600	WCH
6618F	Cell 4 Crest Pad Building	600	WCH
6618G	Cell 5 Crest Pad Building	600	WCH
6618H	Cell 6 Crest Pad Building	600	WCH
6618I	ERDF Cell 7 Crest Pad Building	600	WCH
6618J	ERDF Cell 8 Crest Pad Building	600	WCH
6618K	ERDF Cell 9 Crest Pad Building	600	WCH
6618L	ERDF Cell 10 Crest Pad Building	600	WCH

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
6618M	Cell 1 Crest Pad Building	600	WCH
6618N	Cell 2 Crest Pad Building	600	WCH
6618T3	ERDF Leachate Storage Tank 3	600	WCH
6618T4	ERDF Leachate Storage Tank 4	600	WCH
661A	Target Range Control Building	600	MSA
662	Training Building	600	MSA
6620	ERDF Container Maintenance Building	600	WCH
6621	Gas Cylinder Storage Shed	600	WCH
662A	Exercise and Training Building	600	MSA
663	Storage Facility	600	MSA
6630	Hodges Well and Pumphouse	600	CHPRC
6631	Radio Telescope Pedestal	600	CHPRC
6632	Verizon Telephone Enclosure	600	CHPRC
6633	Franklin County Communication Building	600	CHPRC
6634	ENW Tower and Building	600	CHPRC
6635	Crown Castle/Cingular Tower and Building	600	CHPRC
6636	Columbia Communication Tower and Building	600	CHPRC
6637	Tri City Amateur Radio Tower and Building	600	CHPRC
6638	Telecommunications	600	ENW
664	Office Building	600	MSA
6643	Bruggemann's Warehouse	600	MSA
6652C	Space Science Laboratory	600	CHPRC
6652CSHED	Storage Building	600	CHPRC
6652D	Pump House	600	CHPRC
6652E	Garden Building	600	USF&W
6652G	ALE Field Storage Building	600	CHPRC
6652H	ALE Laboratory 1	600	CHPRC
6652I	ALE Headquarters	600	CHPRC
6652J	ALE Laboratory II	600	CHPRC
6652K	Pump House	600	USF&W
6652L	Gravitational Experiments Research Facility	600	MSA
6652M	Fallout Laboratory	600	CHPRC
6652O	Storage Building	600	USF&W
6652PH	Fire Protection Pump House	600	USF&W
6652R	Acid Storage Shed	600	USF&W/CHPRC
6652S	Sentry Shed	600	CHPRC
6652T	Fire Protection Lower Pump House	600	CHPRC
6652U	Rattlesnake Mountain Upper Pump House	600	CHPRC
6653	Sample and Monitoring Building - TEDF	600	CHPRC
6653A	TEDF Pump Station 3	600	CHPRC
6654	AT&T Wireless Services Equipment Shelter	600	AT&T
668	200 East Deep Lysimeter	600	CHPRC
669	Maintenance Shop	600	MSA
669A	Portable Vault Building	600	MSA
6701	WYE Barricade Guard House	600	MSA
6701A	WYE Barricade Guardhouse	600	MSA
6701B	Rattlesnake Barricade Second Guard House	600	MSA
6701C	Rattlesnake Barricade Primary Guard House	600	MSA
6701D	Rattlesnake Barricade Inspection Station	600	MSA
6701E	Vehicle Inspection WYE Barricade	600	MSA
6701F	Vehicle Inspection Rattlesnake Barricade	600	MSA
6701H	CSB Enclosure	600	CHPRC
672	Cold Test Administrative Building	600	WRPS
674	Cold Test RPP Briefing Center	600	WRPS
676	Telecommunications	600	MSA
678	ERDF Maintenance Tent	600	WCH
680	Backflow Preventer Enclosure	600	MSA
682A	Storage Building PTA	600	MSA
682B	Storage Building PTA	600	MSA
682C	Storage Building PTA	600	MSA
682D	Storage Building PTA	600	MSA
682E	Storage Building PTA	600	MSA
682F	Storage Facility PTA	600	MSA
683	Control Room PTA Range 5	600	MSA
684	Control House - Range 2	600	MSA
687	Premise Isolation Building	600	MSA

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
688	Rigging Storage Shed	600	MSA
689	Pump and Treat Facility	600	CHPRC
712	Records Center Printing and Reproduction Plant	700	MSA
712B	IRM Records Support Facility	700	MSA
7220	Telecommunications	700	MSA
C8S49	Main 221B Plant Substation	200E	CHPRC
C8S77	291B Area Substation	200E	CHPRC
HS Units WRAP	Alkali Metal Storage Modules CWC	200W	CHPRC
Low-Level Waste Burial	Low-Level Waste Burial Grounds	200E/W	CHPRC
T11WTP	Yard/BOF Construction Area Office	200E	BNI
T1WTP	Main Construction Site Office	200E	BNI
T23WTP	Security Trailer - WTP S Gate	200E	BNI
T27WTP	Time Keeping Trailer - WTP W Gate	200E	BNI
T28WTP	Hospitality Mobile/Site Observation	200E	BNI
T31WTP	Security Trailer - WTP N Gate	200E	BNI
T33WTP	Electrical Materials Distribution Center	200E	BNI
T40WTP	BOF GF Trailer	200E	BNI
T520-6	Navy MARS Radio Station	600	CHPRC
TC1301N	N Springs Pump and Treat Facility Weather Protection	100N	CHPRC
TC1301NA	Compressor Building for Pump and Treat	100N	CHPRC
TC1301NB	Instrument Building for Pump and Treat	100N	CHPRC
TC272HV	Temporary Maintenance Shop	200E	WRPS
X8	Motor Car Shed	200W	CHPRC
1914N	Valve Pit	100N	TBD
203S	Water Retention Basin (Backfilled W/Soil)	200W	TBD
204S	Tank Retention Basin (Backfilled W/Soil)	200W	TBD
204T	RSSF Test Facility (Railcar Unloading Facility) 2 ea next to 216T34 crib	200W	TBD
205S	Make-Up Building and Process Cell	200W	TBD
207A	Retention Basin	200E	TBD
2109E	Gas Bottle Storage AP Farm	200E	TBD
213WTK1	Catch Tank	200W	TBD
216ATK1	Underground Carbonate Neutralization Tank	200E	TBD
216ATK2	Underground Catch Tank	200E	TBD
216B60	Crib and Tile Field	200E	TBD
216Z9	Recuplex Waste Disposal Facility	200W	TBD
2406W	High Energy Real Time Radiography	200W	TBD
240S151	Diversion Box - 202S	200W	TBD
240S152	Diversion Box - 202S	200W	TBD
240S302	Catch Tank - in Support of 240S151	200W	TBD
241A501	Condensate Valve Pit	200E	TBD
241AX152	Diverter Station	200E	TBD
241AX153	Isolation Jumper Pit	200E	TBD
241AY501	Condensate Valve Pit	200E	TBD
241AZ154	Condensate Pump Pit	200E	TBD
241AZ155	Contaminated Storage Pit	200E	TBD
241BX155	Diversion Box	200E	TBD
241BY303	Caustic Tanks Containment Dike	200E	TBD
241BY361	Flush Tank	200E	TBD
241ER151	Diversion Box	200E	TBD
241ER152	Diversion Box - Export Line	200E	TBD
241ER153	Diversion Box - Export Line	200E	TBD
241ER311	Catch Tank	200E	TBD
241ER311A	Catch Tank for Diversion Box 241ER141	200E	TBD
241EW151	Vent Station Diversion Box	600	TBD
241Z361	Waste Disposal Settling Tank	200W	TBD
242B151	Diversion Box	200E	TBD
242T151	Diversion Box	200W	TBD
242TA	Waste Receiving Vault	200W	TBD
243S-TK1	Radiation Monitoring Tank - NW of 242S Underground	200W	TBD
2506W4	Telecommunications - 222S	200W	TBD
271E	Load Unloading Steel Frame	200E	TBD
2766E	Construction Laborer Shop - W of 244AR	200E	TBD
2767E	Carpenter's Shop	200E	TBD
2902T	Elevated Water Tank (Valve Vault Only)	200W	TBD
296A048	AP Double Shell Tank Exhauster	200E	TBD
296A049	AP Double Shell Tank Exhauster	200E	TBD

**HANFORD SITE STRUCTURE LIST**

Structure ID	Title	Geographic Area	Assigned Contractor
300LYS	300 Area Lysimeter Plot	600	TBD
4725	Sand Blasting Facility	400	TBD
622S	Field Lysimeter Test Facility	600	TBD
650	Riverland Quonset Hut	600	TBD
6639	Hanford Town High School	600	TBD
6640	Hanford Electrical Switching Station	600	TBD
6641	White Bluffs Bank	600	TBD
6642	Allard Pump House	600	TBD
X13	Gandy Shack	600	TBD