

Hanford Acquisition Planning



**RICHLAND
OPERATIONS OFFICE**
United States Department of Energy



**OFFICE OF
RIVER PROTECTION**
United States Department of Energy



Presented by:
Karen Flynn and Ellen Mattlin
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DOE Contract Expiration Dates

March 2016

- River Corridor (WCH) 9/30/2016
- Tank Operations (WRPS) 9/30/2018
- Plateau Remediation (CHPRC) 9/30/2018
- Mission Support (MSA) 5/25/2019
- Occupational Medicine (HPM) 9/30/2018
- Miscellaneous small contracts 2018-2021



Acquisition Planning

March 2016

- The Richland Operations Office created the Office of Hanford Acquisitions (OHA) and the Office of River Protection created an Acquisition Integrated Project Team (AIPT) to develop the next set of acquisitions
- DOE met with external parties such as the regulators, community, labor, etc. to gather input for consideration in the development of our acquisition strategy
- DOE developed the scope of work for the future acquisitions

Summary of Planned Workscope

March 2016



Richland Operations Office Vision Continuing Our Legacy of Success: Cleanup and Protection for the Future



2016 - 2028

K Basin Sludge Transfer

- Complete transfer of K West Basin sludge to the Central Plateau

Complete Remaining River Corridor Cleanup

- Complete dewatering, demolition and removal of K West Basin
- Complete the remainder of K Area facility D4 and waste site remediation
- Complete K Area Reactors Interim Safe Storage
- Complete 618-10 and 316-4 remediation
- Complete 300-296 waste site remediation and 324 Building D4
- Conduct any additional soil remediation required by the final CERCLA RODs
- Complete 618-11 remediation

Complete Capsule Transfer from the WESF to Dry Storage

- Complete design and construction of a transfer and storage facility
- Transfer 1,936 cesium/strontium capsules (~100 million curies) to dry storage

Complete Infrastructure Upgrades to Accomplish the Site Mission

- Upgrade critical site infrastructure
- Support startup of the Waste Treatment Plant and Tank Farm operations

Expand Groundwater Cleanup

- Complete 300 Area uranium sequestration
- Conduct any additional groundwater remediation required by the final River Corridor CERCLA RODs
- Obtain 200 East CERCLA RODs
- Implement 200 East (BP-5/PO-1) remedies
- Implement additional remedies required by the 200 West UP-1 CERCLA ROD
- Conduct well decommissioning



	Clean Up	Nuclear facilities and waste sites		Provide	Infrastructure to support Hanford Cleanup
	Protect	Groundwater and the Columbia River		Restore	Lands for access and use

Mission:
Protect the workers, public and environment by further risk reduction, provide necessary infrastructure for continued safe and effective cleanup operations, and restore Hanford lands for access and use.

Infrastructure and Facility Base Operations

- Operate key waste management facilities
- Maintain safe operations for Hanford nuclear and nonnuclear facilities
- Provide occupational medicine, laundry and other essential site-wide services
- Provide safeguards and security
- Maintain infrastructure

Groundwater Base Operations

- Contain key contaminants and treat contaminated groundwater
- Maintain RCRA compliance
- Implement RCRA groundwater monitoring requirements

Retrieve, Treat, and Enable Shipping of Transuranic Waste to WIPP

- Retrieve and treat "contact-handled" TRU waste
- Retrieve and treat "remote-handled" TRU waste
- Develop and implement new TRU waste disposition capabilities
- Certify and ship TRU waste to WIPP
- Treat K Basin sludge

Continue Cleanup of the Central Plateau

- Complete waste site characterization and treatability tests
- Complete RI/FS and obtain RODs
- Remediate waste sites
- Demolish facilities
- Conduct RCRA TSD closures

Initiate Canyon Disposition

- Conduct demolition preparation and hazard reduction
- Complete canyon characterization (B Plant, PUREX, REDOX)
- Complete above grade demolition of U Plant canyon, remediate adjacent waste sites and install protective barrier

Restore Hanford Land for Access and Use

- Manage and operate the Manhattan Project National Historical Park in partnership with the National Park Service
- Increase controlled Tribal and public access and use
- Protect cultural resources and restore natural resources
- Work closely with our partners to enable reuse of Hanford land consistent with the Comprehensive Land-Use Plan



Summary of Planned Workscope

March 2016

Base Operations

- **Maintain and operate nuclear/radiological facilities:**
 - Tank farm single-shell and double-shell facilities
 - 242-A Evaporator facilities
 - Effluent Treatment Facility and support facilities
 - 222-S Laboratory complex
- **Upgrade TF infrastructure to support feed delivery and effluent return**
- **Double-shell tanks space management**
- **Tank Integrity Program**
- **Vapor Implementation Plan Phase 2**
- **Maintain "One System" integrated management strategy for Waste Treatment and Immobilization Plant (WTP)/tank farms**
- **Potential technology improvements**

Construction Projects

- **Design, permit, construct, commission and/or operate:**
 - Low-activity waste Pretreatment System Facility
 - Tank Waste Characterization Staging Facility
 - Facilities to support direct feed high-level waste Immobilized high-level waste storage facility
 - Potential new capital improvements
 - Miscellaneous support facilities for tank farms/WTP

Tank Retrieval and Closure

- **Design, procure, permit, construct/fabricate, and operate single-shell tank retrieval systems that remove waste from single shell tanks and transfer the waste to the double shell tanks or treatment systems**
- **Retrieve and treat contact handled transuranic tank waste**
- **Regulatory closure activities**
- **Install interim barriers**
- **Perform waste management area tank closure activities**

Miscellaneous Mission Requirements

- **Potentially operate portions of the WTP Complex that support direct feed low-activity waste and, if approved by DOE, direct feed high-level waste**
- **Low-Activity Waste vitrification melter(s) replacement**
- **Analytical services post-FY20**
- **Interface for site services**
- **Legal support**
- **Pension and benefit plans**

Completed and Planned Activities

March 2016

- DOE conducts market research during acquisition planning. Key market research goals include identifying and minimizing barriers to competition, evaluating small business capabilities, identifying risks, contract alternatives, and appropriate terms and conditions.

Activity	RL Cleanup & Infrastructure	RL Occ Med	ORP Tank Waste Mgt
Release Request for Information to Industry	10/15/2015	03/07/2016	3/03/2016
Conduct Site Tour and Industry Exchange	11/17-19/2015	N/A	3/29-31/2016
Receive Capability Statements from Industry	11/25/2015	03/31/2016	4/7/2016

- Information collected from interested parties during market research is considered in the acquisition planning process.

Summary

March 2016

- RL and ORP are jointly planning the next set of Hanford acquisitions
- Opportunities for input during the acquisition process

RL - Input via letter/e-mail to Karen Flynn
(Karen.Flynn@rl.doe.gov)

ORP - Input via letter/e-mail to Ellen Mattlin
(Ellen_M_Mattlin@orp.doe.gov)

- Draft Requests for Proposals – Could be as early as calendar year 2017