

Hanford Budget Priorities Briefing

DATE: Tuesday, April 28, 2015

Public Comments
due by June 15:

Email comments to: HanfordBudget2017@rl.gov or
U.S. Department of Energy, Attn: 2017 Budget
P.O. Box 550, A7-75, Richland, WA 99352



Agenda

5:30–5:35 p.m.	Welcome and Overview	Sharon Braswell
5:35–6:05 p.m.	DOE-Office of River Protection - Overview of priorities for Waste Treatment Plant and Tank Farm Projects	JD Dowell
6:05–6:35 p.m.	DOE-Richland Operations Office - Overview of priorities for River Corridor and Central Plateau Cleanup	Jon Peschong
6:35–7 p.m.	Regulator Perspectives - Washington State Dept. of Ecology - U.S. Environmental Protection Agency	John Price Dave Einan
7–7:20 p.m.	Question and answer session	
7:20–8 p.m.	Public comments	
8 p.m.	Adjourn	

Office of River Protection Analytical Building Blocks

FY 2016

\$ in Thousands

Draft Pre-Decisional

PBS	ABB Title	FY16 Expected	FY16 Cumulative	FY16 Description
ORP-0014	Tank Operations	\$ 247,845	\$ 247,845	Tank farms preventive/corrective maintenance activities. Double Shell Tank/Single-Shell Tank operations, surveillance, monitoring and maintenance.
ORP-0014	242A Evaporator/222-S Laboratory	\$668,921	\$ 316,766	222-S Laboratory Operations and Maintenance, 242-A Operation and Maintenance, and 242-A Evaporator Campaigns
ORP-0014	Secondary Waste/ETF	\$29,072	\$ 345,838	Operations of the Effluent Treatment Facility
ORP-0014	Site Wide Services	\$52,468	\$ 398,306	Site Services Activities support and ORP Support Contracts.
ORP-0014	Tank Operations Reliability Projects	\$26,742	\$ 425,048	Double-Shell Tank (DST) Infrastructure Upgrades and 242-A Evaporator Upgrades
ORP-0014	Tank Waste Retrieval Support	\$22,483	\$ 447,531	Technology Development Maturation, Single Shell Tank Retrieval Operations Qualifications, and Retrieval Technology Development
ORP-0014	Direct Feed LAW	\$6,395	\$ 453,926	AP-107 design for feed to Low Activity Waste Pretreatment System.
ORP-0014	Waste Feed Delivery	\$32,567	\$ 486,493	Waste feed delivery provides required tank farm equipment such as transfer pumps and tank farm infrastructure to transfer waste from the DST's to the WTP for processing.
ORP-0014	Modeling and Planning	\$7,826	\$ 494,319	RPP System Plan Revisions, Tank Waste Database Management and Waste Compatibility Program
ORP-0014	A/AX - Farm Retrieval	\$98,000	\$ 592,319	Initiate installation of retrieval technologies for two AX farm tanks. Complete installation of A Farm ventilation system. Initiate installation of equipment for AX Farm DST receiver tank.
ORP-0014	AY-102 Remedial Action	\$30,000	\$ 622,319	Perform remediation actions on AY-102. Initiate construction of Interim Barrier 3

ORP-0014	Low Activity Waste (LAW) Pretreatment System	\$75,000	\$	714,000	Initiate design work for the Tank Waste Characterization and Staging Facility.
ORP-0014	Tank Waste Characterization and Staging Facility (TWSCF)	\$10,000	\$	724,000	Initiate design work for the Tank Waste Characterization and Staging Facility.
ORP-0060	WTP Construction (A, B, C) (LBL + Shared Services)	\$408,000		\$408,000	Construction of Low Activity Waste Facility, Analytical Laboratory, and Balance of Facilities.
ORP-0060	Direct Feed LAW	\$55,000		\$463,000	Engineering of Direct LAW feed delivery systems
ORP-0060	WTP-High Level Waste (HLW) Facility	\$132,000		\$595,000	HLW construction civil work and mechanical equipment installation continuing. Design, procurements, and resumption of full construction.
ORP-0060	Technical Issue Resolution	\$75,000		\$670,000	Supports activities required to close technical issues related to Pretreatment. Continue with engineering analysis and testing to resolve critical technical issues associated with the Pretreatment (PT) Facility
ORP-0060	WTP-Pretreatment (PT) Facility	\$20,000		\$690,000	Basic Facility maintenance and minimal design and construction. Full scale testing resolution integration to facility. Engineering and construction as technical resolutions/full scale testing concludes. Design, procurements, and resumption of full construction.
ORP Total				\$1,414,000	

Richand Operations Office
FY 2017 Analytical Building Blocks (\$000)
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PBS	ABB Name	FY 2017 (Range \$000)	2017 Cumulative Range	FY 2017 Work Description
RL-0030	Groundwater Monitoring, Integration & Assessment, and Operations and Maintenance	31,000 - 37,000	31,000 - 37,000	Accomplishes ready-to-serve activities to support continued integration of Site-wide groundwater and vadose zone cleanup activities, groundwater contamination monitoring, as well as operations, maintenance, and necessary modifications of existing remediation systems to prevent contamination spread.
RL-0012	K Basin Facility Operations & Maintenance and Sludge Removal	36,000 - 44,000	67,000 - 81,000	Funding provides operation and maintenance support to maintain the K West Basin, CAT 2 nuclear facility, in a safe and compliant manner. Funding also supports minimum required surveillance and maintenance activities. Also supports T-Plant modifications to prepare for receipt of the 105KW Basin Sludge Transfer and Storage Containers (STSC).
RL-0013	Solid Waste Stabilization and Disposition Facility Base Operations	71,000 - 87,000	138,000 -168,000	Funding provides for the overall management, coordination, direction and customer interface to ensure the proper conduct of operations of Hanford's Solid Waste Stabilization and Disposition programs and facilities. Maintain safe and compliant waste management programs/facilities for the following Solid Waste Stabilization and Disposition facilities: Canister Storage Building which stores Spent Nuclear Fuel from the K Basins; the 200 Area Interim Storage Area buildings which also contain spent nuclear fuel in various packages; Waste Receiving and Processing Facility (WRAP) for processing and shipment of transuranic (TRU) waste; Central Waste Complex (CWC) for compliant treatment and storage of hazardous and radioactive waste; Solid Waste Operations Complex facilities; T Plant for decontamination, treatment and waste repackaging; and the Integrated Disposal Facility which provides an approved near-surface disposal facility for the permanent disposition of mixed low level waste from the Waste Treatment and Immobilization Plant; and low-level waste burial grounds.

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PBS	ABB Name	FY 2017 (Range \$000)	2017 Cumulative Range	FY 2017 Work Description
RL-0040	Surveillance and Maintenance for Surplus Facilities and Waste Sites	13,000 - 15,000	151,000 - 183,000	Funding provides surveillance and maintenance activities to ensure safety for waste sites and surplus facilities on Hanford's Central Plateau. Work includes: project management, ES&H oversight, quality management, safety and job hazards analysis, technical support and integration with site activities.
RL-0041	100K Area Remediation Surveillance and Maintenance	7,000 - 9,000	158,000 - 192,000	Accomplishes maintenance support to maintain the 100K Area in a safe and compliant manner by supporting minimum required surveillance and maintenance activities.
RL-0042	FFTF Surveillance and Maintenance Support	1,800 - 2,200	159,800 - 194,200	Funding supports long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities. This support will be required until the residual and bulk sodium is dispositioned and facility deactivation and decommissioning is resumed.
RL-0020	Hanford Site Safeguards and Security	69,000 - 84,000	228,800 - 278,200	Funding provides an armed protective force (Hanford Patrol), required to protect the Hanford Site against loss of special nuclear material (SNM), classified matter, and radiological and toxicological sabotage events. Hanford Patrol responds to alarms and other emergencies/incidents twenty-four (24) hours a day, seven (7) days a week (24/7), 365 days a year; operates a 24-hour Patrol Operations Center that provides dispatch and emergency communications capability to the Hanford Site, including 9-1-1 medical dispatch; operates Hanford Site barricades; provides mutual aid support to local law enforcement agencies and others as identified consistent with DOE-RL agreements.

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RL-0201	Hanford Site Services including DOE Direct Site Support	263,000 - 321,000	491,800 - 599,200	Funding supports site-wide services (SWS) scope for: utilities/landlord/maintenance; emergency services; safety, environmental, health and training; business services; information management; HAMMER base training program; and B Reactor Preservation and access. Also provides DOE direct site wide activities (e.g. steam, occupational health medicine and IT services); RL integrated baseline development; critical heating systems; essential planning and performance assessment activities to ensure efficient deployment of resources for Hanford cleanup vision.
RL-0100	Regulatory Federal and State Grant Support/Regulatory Support Essential Services	19,000 - 23,000	510,800 - 622,200	Funding supports: offsite agency emergency preparedness programs enabling them to respond to an emergency on the Hanford site; State of Oregon input on Hanford activities; independent monitoring during events from the WA State Department of Health; and the WA State Dept. of Ecology CERCLA grant. Funding also supports: the WA State Dept. of Ecology RCRA Mixed Waste Fee; WA State Department of Health's air emissions monitoring invoice; and the Hanford Advisory Board for public involvement related to the cleanup mission at the Hanford site.
RL-0030	Groundwater Pump and Treat Operations, Monitoring and Drilling	62,000 - 76,000	572,800 - 698,200	Continue to meet RCRA well drilling compliance commitments due on an annual basis. Supports continued operation of groundwater pump and treat activities.
RL-0011	PFPP Closure Project	65,000 - 79,000	637,800 - 777,200	Accomplishes activities necessary to perform PFPP D4 activities: deactivation, decontamination, decommissioning and demolition. This ABB provides the necessary planning, execution, reporting, and oversight activities to complete PFPP facility and disposition.

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RL-0041	Environmental Restoration Disposal Facility Operations	34,000 - 42,000	671,800 - 819,200	This element enables operations of the Environmental Restoration and Disposal Facility (ERDF) to support waste treatment and disposal for the River Corridor Closure Project and other Site cleanup projects.
RL-0041	RCCP Waste Site Remediation, Re-vegetation, Closeout and Project Management	62,000 - 76,000	733,800 - 895,200	Funding supports River Corridor Closure Project waste site backfill, revegetation and waste site closeout activities. Also supports associated project management activities.
RL-0041	RCCP 618-10 Burial Ground Remediation	24,000 - 30,000	757,800 - 925,200	Funding supports River Corridor Closure Project 618-10 burial ground Vertical Piping Unit (VPU) remediation and associated waste treatment and disposal operations.
RL-0041	RCCP 300-296 Waste Site Remediation	19,000 - 23,000	776,800 - 948,200	Funding supports continued remediation of the River Corridor Closure Project 300-296 waste site.
RL-0041	RCCP 324 Facility D&D	54,000 - 66,000	830,800 - 1,014,200	Funding supports the River Corridor Closure Project 324 Building demolition.
RL-0013	Cesium and Strontium Capsule Disposition	5,000 - 7,000	835,800 - 1,021,200	Accomplishes completion of the Mission Need Statement for the management of the Cesium and Strontium Capsules by moving the capsules to dry storage.
RL-0201	Hanford Site Infrastructure Reliability Projects for RL and ORP	45,000 - 55,000	880,800 - 1,076,200	Funding supports critical infrastructure systems (roads, electrical, water, facility systems) and projects required for continue Hanford environmental remediation and Site Mission needs.
RL-0012	Line Item Construction: Containerized Sludge and Engineering Support	10,000 - 12,000	890,800 - 1,088,200	Funding supports the Installation of Engineered Container Retrieval and Transfer System (ECRTS) into the 105KW Basin and Annex to prepare for readiness and startup. Also supports testing, cold commissioning and engineering activities for the ECRTS.
RL-0013	TRU Large Container Repackaging and Certification	18,000 - 22,000	908,800 - 1,110,200	This scope accomplishes repackaging and preparation for certification of large container Contact-Handled TRUM waste and/or Remote Handled TRUM waste at an offsite, commercial facility.