

**Richland Operations Office
Planning Information**

PBS	SCOPE DESCRIPTION	FY 2019 Range (\$000)	FY 2019 Cum Range (\$000)	FY 2020 Range (\$000)	FY 2020 Cum Range (\$000)	FY 2020 WORK DESCRIPTION
RL-0030	Min Safe: GW Ops	83,000 - 102,000	83,000 - 102,000	88,000 - 108,000	88,000 - 108,000	Accomplishes ready-to-serve activities to provide continued integration of Site-wide groundwater and vadose zone cleanup activities, continued operation of groundwater pump and treat activities RCRA compliance monitoring, and groundwater monitoring to prevent contamination from reaching the Columbia River.
RL-0013C	Min Safe: Solid and Liquid Waste S&M	88,000 - 108,000	171,000 - 210,000	88,000 - 108,000	176,000 - 216,000	Provides surveillance and maintenance activities to ensure safety for Solid Waste Stabilization and Disposition programs and facilities.
RL-0041	Min Safe: K Basin/Sludge S&M	18,000 - 24,000	189,000 - 234,000	20,000 - 26,000	196,000 - 242,000	Provide operation and maintenance support to maintain the K West Basin, CAT 2 nuclear facility, in a safe and compliant manner.
RL-0040	Min Safe: Facility/Waste Site/Canyon S&M	15,000 - 19,000	204,000 - 253,000	15,000 - 20,000	211,000 - 262,000	Provide Surveillance and Maintenance activities to ensure safety for waste sites and surplus facilities on Hanford's Central Plateau. Provide core project management staff for Surveillance and Maintenance.
RL-0201	Min Safe: RL Direct	62,000 - 78,000	266,000 - 331,000	62,000 - 78,000	273,000 - 340,000	Provides direct contracts for site wide activities (e.g. steam, occupational health medicine and IT services); RL integrated baseline development and certification; critical heating systems; essential planning and performance assessment activities to ensure efficient deployment of resources and implementation of new contracts to support the Hanford cleanup vision. Funding also supports non-discretionary activities such as litigation, tribal commitments, rent, regulatory permits and fees, and land transfer activities.
RL-0041	Min Safe: 100K Area Remediation S&M	4,000 - 6,000	270,000 - 337,000	4,000 - 6,000	277,000 - 346,000	Provide maintenance support to maintain the 100K Area in a safe and compliant manner by supporting minimum required surveillance and maintenance activities.
RL-0041	Min Safe: 324 Bldg	7,000 - 9,000	277,000 - 346,000	8,000 - 10,000	285,000 - 356,000	Provide support to maintain the 324 Building in a safe and compliant manner by supporting minimum required surveillance and maintenance activities.

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RL-0042	Min Safe: FFTF S&M	2,000 - 3,000	279,000 - 349,000	2,000 - 3,000	287,000 - 359,000	Supports long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities.
RL-0201	Min Safe: Site Wide Services	160,000 -200,000	439,000 - 549,000	160,000 -197,000	447,000 - 556,000	This element funds Site-wide services (SWS) to include but not limited to: utilities and other landlord functions; fire protection and emergency management services; safety, environmental, health and training; business services; information management; HAMMER base training program; and B Reactor Preservation and access.
RL-0100	Min Safe: Reg/Stakeholder Support	4,000 - 6,000	443,000 - 555,000	2,000 - 4,000	449,000 - 560,000	Funding supports: offsite agency emergency preparedness programs; State of Oregon input on Hanford activities; and independent radiological monitoring during events from the WA State Department of Health. Additionally, this funding supports the Hanford Advisory Board for public involvement related to the cleanup mission at the Hanford site and provides for limited PILT payments to three counties.
RL-0020	Min Safe: Safeguards and Security	74,000 - 92,000	517,000 - 647,000	78,000 - 96,000	527,000 - 656,000	Provides for the minimum safe and essential services required for a compliant Safeguards and Security (SAS) programs. Programs funded within SAS include: Protective Forces, Physical Security Systems, Information Security, Personnel Security, Nuclear Materials Control and Accountability (MC&A), Program Management, Fire and Emergency Response Services, Emergency Operations, Radiological Assistance Program Operations, Environmental Regulatory Management, and Public Safety and Resource protection.
RL-0020	Min Safe: Cyber Security	5,000 - 8,000	522,000 - 655,000	5,000 - 8,000	532,000 - 664,000	Provides the minimum safe and essential services required to for a compliant Cyber Security program.
RL-0201	Transition Costs for Future Acquisitions	13,000 - 17,000	535,000 - 672,000	8,000 - 12,000	540,000 - 676,000	Funding is an estimate of costs associated with transition of the new Hanford Contracts
RL-0020	HQ Cyber One	2,000 - 4,000	537,000 - 676,000	2,000 - 4,000	542,000 - 680,000	Implementation of the Department's Identity, Credential, and Access Management (ICAM) initiative and the Joint Cybersecurity Coordination Center.
RL-0201	HQ MI Holdback	0 - 0	537,000 - 676,000	7,000 - 9,000	549,000 - 689,000	Represents an estimate for the site and is reserved for over-arching mission initiatives. These are in support of cleanup commitments complex-wide.
RL-0030	GW Base Ops - ROD Implementation	13,000 - 17,000	550,000 - 693,000	7,000 - 10,000	556,000 - 699,000	Accomplishes necessary modifications of existing remediation systems and supports progress towards the completion of the necessary decision documentation needed to complete the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) RI/FS process and obtain the Interim Record of Decision for the 200 East Area (C Tank Farm Area) groundwater operable units on the Central Plateau.
RL-0012	K Basin Sludge Removal	7,000 - 9,000	557,000 - 702,000	0 - 0	556,000 - 699,000	No FY20 funding requirements.

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RL-0201	Critical Infrastructure to Support DFLAW	0 - 0	557,000 - 702,000	17,000 - 23,000	573,000 - 722,000	In support of DFLAW: Complete the high-voltage electrical transmission system modifications and initiate low-voltage electrical distribution system upgrades to provide adequate, safe and reliable power; Complete Water Treatment Facility and water system and fire protection system modifications to provide adequate, safe and reliable water supply
RL-0201	Failing Infrastructure and Critical Maintenance and Repair	0 - 0	557,000 - 702,000	28,000 - 36,000	601,000 - 758,000	Support the cleanup mission the site will: Initiate design of new river water pumps and replacements for 1940's era water lines to the central plateau; Complete a 1.1M gal. potable water tank on the central plateau; Expand an existing and construct a new fire station; start design of new fleet maintenance facilities; Replace various facility roofs; Replace multiple aging HVAC units; Replace antiquated emergency equipment.
RL-0040	Aging Facility/Risk Mitigation	6,000 - 8,000	563,000 - 710,000	17,000 - 23,000	618,000 - 781,000	Supports risk mitigation activities of potential threats to the worker and public for degrading canyon(s) and ancillary structures.
RL-0041	300-296 Waste Site Remediation	1,000 - 2,000	564,000 - 712,000	61,000 - 75,000	679,000 - 856,000	Remobilization, retraining, restart of 300-296 waste site remote remediation after assumed layup and stop work in FY19. Scope will include completing cell debris removal, soil removal, equipment installation, cutting and removal of B-Cell floor, and initiating soil remediation.
RL-0013C	Cs/Sr WESF Modifications Line Item	1,000 - 2,000	565,000 - 714,000	9,000 - 13,000	688,000 - 869,000	Completion of the CD-2/3 package and submission for approval by DOE for construction of modifications needed to the WESF only. Accomplishes the activities noted in the Mission Need Statement for the Management of the Cesium and Strontium Capsules, by moving the capsules to dry storage.
RL-0013C	Cs/Sr Capsule Disposition - Remainder of CAP	16,000 - 20,000	581,000 - 734,000	30,000 - 38,000	718,000 - 907,000	Completion of the CD-2/3 package and submission for approval by DOE, including baseline cost and schedule, documented safety analysis, environmental permits, risk analysis and establishment of management reserve and contingency. This is for the Capsule Storage Area and Cask Storage System, including cask safety analysis and transport safety analysis.
RL-0030	River Corridor RODs	1,000 - 2,000	582,000 - 736,000	2,000 - 4,000	720,000 - 911,000	Achieves significant progress towards the completion of the necessary decision documentation needed to complete the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) RI/FS process and obtain the final Records of Decision for the 100 Area River Corridor groundwater operable units.
RL-0030	Hanford Site RCRA Work Permit (Rev 9)	4,000 - 6,000	586,000 - 742,000	4,000 - 6,000	724,000 - 917,000	Continue efforts to revise the Hanford Site RCRA Permit.
RL-0013C	Certify Large/Small Container TRU and Disposition	30,000 - 40,000	616,000 - 782,000	23,000 - 29,000	747,000 - 946,000	Accomplishes preparation for retrieval, treatment as needed, repackaging, preparation for certification and shipment of CH TRUM waste and RH TRUM waste, including processing or repackaging at an offsite, commercial facility or within the Hanford site.
Various	Central Plateau Planning Package Pending Final Appropriations	21,000 - 28,000	637,000 - 810,000	0 - 0	747,000 - 946,000	Funding will be applied to Critical Site Infrastructure and other Central Plateau unfunded scope

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Various	River Corridor Planning Package Pending Final Appropriations	26,000 - 34,000	663,000 - 844,000	0 - 0	747,000 - 946,000	Funding will be applied to River Corridor operations, waste site remediation and D&D activities
RL-0041	RC Operations Activity - 105 KW Characterization & Dewatering	0 - 0	663,000 - 844,000	40,000 - 61,000	787,000 - 1,007,000	Perform 105KW Fuel Storage Basin characterization, above and below water debris disposition, and deactivation activities to prepare the basin for dewatering. Complete fabrication and installation of the sand and garnet filter media removal system. Complete operations of the garnet filter media removal operations.
RL-0030	River Corridor GW Remedial Action Implementation	15,000 - 19,000	678,000 - 863,000	24,000 - 31,000	811,000 - 1,038,000	Supports continued remedial action implementation identified in CERCLA Interim and Final Records of Decisions which are focused on cleaning up groundwater and minimizing the amount of contamination from reaching the Columbia River.
RL-0041	RC Operations Activity - Waste Sites	0 - 0	678,000 - 863,000	17,000 - 23,000	828,000 - 1,061,000	Continued 100K Area waste site remediation.
RL-0041	324 Building Demolition	0 - 0	678,000 - 863,000	35,000 - 45,000	863,000 - 1,106,000	Design and planning for 324 building deactivation and demolition activities.
RL-0013C	Construct ERDF Supercell 11	0 - 0	678,000 - 863,000	13,000 - 17,000	876,000 - 1,123,000	Construct ERDF supercell 11 to support waste desposition from the 100 and 200 area remediation efforts and D4 of the 324 building.
RL-0041	K Area D&D	0 - 0	678,000 - 863,000	6,000 - 8,000	882,000 - 1,131,000	Initiate D&D activities for 100K facilities to allow access to nearby waste sites for remediation.
RL-0040	Canyon Demo Prep/Risk Reduction (PUREX Tunnel #2)	0 - 0	678,000 - 863,000	17,000 - 23,000	899,000 - 1,154,000	Supports PUREX Tunnel #2 Stabilization to address potential threats to the worker and public for degrading canyon ancillary structures . (e.g. similar to the void fill of the PUREX tunnel #1 completed in FY18)
RL-0040	200 Area Remediation	0 - 0	678,000 - 863,000	42,000 - 53,000	941,000 - 1,207,000	Complete closure for identified TSD Units according to the Closure Plan(s).
RL-0040	Other Canyon Demo Prep/Risk Reduction	0 - 0	678,000 - 863,000	13,000 - 16,000	954,000 - 1,223,000	Perform canyon demolition preparation activities within the REDOX Complex to reduce risk to worker and the environment.
RL-0013C	Certify Large/Small Container TRU and Disposition	0 - 0	678,000 - 863,000	59,000 - 73,000	1,013,000 - 1,296,000	Accomplishes preparation for retrieval, treatment as needed, repackaging, preparation for certification and shipment of CH TRUeUM waste and RH TRUM waste, including processing or repackaging at an offsite, commercial facility or within the Hanford site.
RL-0030	Characterize WA-1 OU & Issue ROD	0 - 0	678,000 - 863,000	8,000 - 10,000	1,021,000 - 1,306,000	Achieves significant progress towards the completion of the necessary characterization and supporting decision documentation that are needed to complete the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) RI/FS process and obtain the final Record of Decision for the 200-WA-1 operable unit.
RL-0030	Deep Vadose Zone ROD	0 - 0	678,000 - 863,000	2,000 - 4,000	1,023,000 - 1,310,000	Supports 200-DV-1 OU (Deep Vadose Zone on the Central Plateau) characterization and decision documents.
RL-0030	Central Plateau RI/FS Rev 0 Work Plans	0 - 0	678,000 - 863,000	1,000 - 2,000	1,024,000 - 1,312,000	Achieves significant progress towards the completion of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) RI/FS Work Plans that support the necessary characterization and decision documentation that are required to obtain final decisions for the 200 Area Central Plateau waste sites and pipeline operable units.

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RL-0030	Central Plateau GW Remedies for UP-1 & BP-5	0 - 0	678,000 - 863,000	7,000 - 10,000	1,031,000 - 1,322,000	Achieves necessary groundwater chromium remedy implementation in support of the 200-UP-1 Record of Decision as well.
RL-0030	CP Waste Sites/Pipelines/Canyons RODs	0 - 0	678,000 - 863,000	29,000 - 36,000	1,060,000 - 1,358,000	Achieves significant progress towards the completion of the necessary characterization and supporting decision documentation that are needed to complete the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) RI/FS process and obtain the final Records of Decision for the 200 Area Central Plateau waste site, pipeline and canyon operable units.
RL-0041	618-11 Burial Ground Remediation	0 - 0	678,000 - 863,000	17,000 - 23,000	1,077,000 - 1,381,000	Initiate 618-11 burial ground remediation and associated waste treatment and disposal operations.
RL-0041	Complete 105-KE and 105-KW Reactor ISS	0 - 0	678,000 - 863,000	17,000 - 23,000	1,094,000 - 1,404,000	Complete design and planning and initiate 105KE ISS activities.
RL-0040	U Plant Canyon Disposition (Waste Site Remediation)	0 - 0	678,000 - 863,000	21,000 - 27,000	1,115,000 - 1,431,000	Perform remediation activities in support of U Plant Canyon disposition activities to reduce risk to worker and the environment. Activities would support the Site's ability to complete Response Actions for Specified Canyon Facilities and Waste Sites.
RL-0040	200 Area Remediation	0 - 0	678,000 - 863,000	79,000 - 98,000	1,194,000 - 1,529,000	Perform Central Plateau Waste site remediation in support of PW- 1/3/6 operable unit and other soil operable unit Record of Decisions.
RL-0013C	Select Sludge Treatment Technology	0 - 0	678,000 - 863,000	11,000 - 14,000	1,205,000 - 1,543,000	This scope will determine the treatment and processing technology to be provided for processing and treating (as required) the K basin transuranic sludge contained in storage containers to be stored at T Plant.
RL-0100	PILT	0 - 0	678,000 - 863,000	9,000 - 12,000	1,214,000 - 1,555,000	Provides for payment in lieu of tax (PILT) to three counties: Benton, Franklin, and Grant in accordance with PILT settlement agreements between DOE and each county.