

Richland Analytical Building Blocks

FY 2014

Planning Data

(\$ in 000's)

PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative (\$000)
RL-0011	PFP Surveillance and Maintenance (S&M) and Min Safe	Provide minimum safe and essential services for industrial, radiological and nuclear Plutonium Finishing Plant (PFP) facilities/structures and systems. PFP surveillance includes the monitoring of residual radioactive and chemical contamination to ensure safe and compliant condition. Activities include maintaining Plutonium Finishing Plant nuclear safety, as well as, maintaining, managing and administering radiological control, fire protection, occupational safety and health, and the training program. This effort directly supports M-083-44 (9/30/15) and M-083-00A (9/30/16).	\$30,499	\$30,499
RL-0040	Surveillance and Maintenance and Min-Safe for Facilities and Waste Sites	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. This includes: ES&H oversight, quality management, safety and job hazards analysis, technical support and integration with site activities.	\$11,782	\$42,281
RL-0012	K-Basin Surveillance and Maintenance and Min Safe	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.	\$26,708	\$68,989
RL-0042	FFTF Surveillance and Maintenance and Min Safe	Provide surveillance and maintenance activities necessary to ensure minimum safety for Fast Flux Test Facility (FFTF) and support facilities which includes residual and stored bulk sodium at FFTF.	\$2,536	\$71,525
RL-0042	FFTF Surveillance and Maintenance and Min Safe	Site-wide services are those min-safe and essential services that serve as key enablers to the 2015 vision and cleanup in general. These services represent day-to-day operations and maintenance of fire protection, emergency services, roads, potable water, sanitary sewer, electrical and other utilities, as well environmental, safety, health, quality and analytical services. These are the minimum services that must be made available in order for workers to be on-site and safely perform work. Furthermore, facilities cannot be occupied without these essential services and no work can be performed in those facilities. Failure to fund this element will result in immediate shutdown of the Hanford site due to health and safety concerns. Site-wide services are centrally planned and managed, while being proportionately funded across multiple PBSS.	\$9	\$71,534

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PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative (\$000)
RL-0020	Safeguards and Security	Provides minimum safe and essential services for maintaining appropriate and compliant Safeguards and Security programs for the Hanford site. Programs include access controls, emergency response, physical security, Material Control and Accountability, Information Security, Personnel Security, and Protective Force programs required for the protection of Special Nuclear Material.	\$72,854	\$144,388
RL-0011	Program Management in Support of PFP Surveillance and Maintenance	Provide program management and support activities necessary for maintaining a safe and secure scope. Provides overall coordination, direction, and customer interface to ensure effective management of contract scope, including baseline management activities and strategic planning. This includes ES&H oversight, quality assurance management, safety and job hazards analysis, technical support and integration with site-wide activities. This effort directly supports M-083-44 (9/30/15) and M-083-00A (9/30/16).	\$6,795	\$151,183
RL-0041	K Area Surveillance and Maintenance	Supports min safe and essential service activities for K Area Remediation.	\$10,094	\$161,277
RL-0041	Manhattan Project Historical Site Preservation	These are minimum safe services to ensure safe entry into the B Reactor by members of the public.	\$2,093	\$163,370
RL-0041	River Corridor Cleanup and Closure	FY14 Critical work scope to accomplish the 2015 Vision including: operations in the 100 Area, 200 Area (including ERDF), 300 Area, 400 Area and 600 Area; ongoing remediation of highly contaminated soils below 324 facility; continued remediation on the dedicated Radioactive Liquid Waste System (RLWS) and 300 Area process sewer systems; continuation of 618-10 and 618-11 burial ground remediation.	\$268,095	\$431,465
RL-0041	Environmental Restoration Disposal Facility (ERDF) Operations	ERDF Operations for Central Plateau and River Corridor Closure in support of compliant work scope and the 2015 Vision.	\$35,325	\$466,790

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RL-0040	RL Directed Activities	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 2015 Vision. Funding also support non-discretionary activities such as litigation, prime contract closeout, tribal commitments, rent, and land transfer activities.	555,215	5522,005
RL-0012	Site Wide Services	Site-wide services are those min-safe and essential services that serve as key enablers to the 2015 vision and cleanup in general. These services represent day-to-day operations and maintenance of fire protection, emergency services, roads, potable water, sanitary sewer, electrical and other utilities, as well environmental, safety, health, quality and analytical services. These are the minimum services that must be made available in order for workers to be on-site and safely perform work. Furthermore, facilities cannot be occupied without these essential services and no work can be performed in those facilities. Failure to fund this element will result in immediate shutdown of the Hanford site due to health and safety concerns. Site-wide services are centrally planned and managed, while being proportionately funded across multiple PBSS.	229,597	5551,602
RL-0013C	Site Wide Services	Site-wide services are those min-safe and essential services that serve as key enablers to the 2015 vision and cleanup in general. These services represent day-to-day operations and maintenance of fire protection, emergency services, roads, potable water, sanitary sewer, electrical and other utilities, as well environmental, safety, health, quality and analytical services. These are the minimum services that must be made available in order for workers to be on-site and safely perform work. Furthermore, facilities cannot be occupied without these essential services and no work can be performed in those facilities. Failure to fund this element will result in immediate shutdown of the Hanford site due to health and safety concerns. Site-wide services are centrally planned and managed, while being proportionately funded across multiple PBSS.	556,987	608,589

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RL-0011	Site Wide Services	Site-wide services are those min-safe and essential services that serve as key enablers to the 2015 vision and cleanup in general. These services represent day-to-day operations and maintenance of fire protection, emergency services, roads, potable water, sanitary sewer, electrical and other utilities, as well environmental, safety, health, quality and analytical services. These are the minimum services that must be made available in order for workers to be on-site and safely perform work. Furthermore, facilities cannot be occupied without these essential services and no work can be performed in those facilities. Failure to fund this element will result in immediate shutdown of the Hanford site due to health and safety concerns. Site-wide services are centrally planned and managed, while being proportionately funded across multiple PBSs.	\$18,698	\$627,287
RL-0011	PFP Disposition: Deactivation, Decontamination, Decommissioning, and Demolition	Funding supports the Project specific services necessary for continued compliant workscope. User Based Services include workscope deliverables such as quality verification, required inspections, reproduced large-volume documents, calibrated IH equipment, operating vehicles and equipment, facility janitorial, NFPA-required flame retardant clothing, and employee training records for HAMMER courses. The scope supports decommissioning of the PFP Complex working toward completion of TPA compliance milestones M-083-44 by 2015 and M-083-00A PFP Facility Transition and Disposition by 2016.	\$3,117	\$630,404
RL-0030	Site Wide Services	Site-wide services are those min-safe and essential services that serve as key enablers to the 2015 vision and cleanup in general. These services represent day-to-day operations and maintenance of fire protection, emergency services, roads, potable water, sanitary sewer, electrical and other utilities, as well environmental, safety, health, quality and analytical services. These are the minimum services that must be made available in order for workers to be on-site and safely perform work. Furthermore, facilities cannot be occupied without these essential services and no work can be performed in those facilities. Failure to fund this element will result in immediate shutdown of the Hanford site due to health and safety concerns. Site-wide services are centrally planned and managed, while being proportionately funded across multiple PBSs.	\$74,442	\$704,846

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RL-0040	HAMMER	Funding supports the Hazardous Material Management and Emergency Response (HAMMER) Training and Education Center. HAMMER provides training for Hanford nuclear/hazardous materials cleanup workers, emergency responders, energy assurance workers, and homeland security personnel. This base funding pays for site specific capability to provide Hanford workers with training necessary to maintain required certifications to continue cleanup.	\$6,846	\$711,692
RL-0100	Regulatory Support Essential Services	Funding supports: the WA State Dept. of Ecology RCRA Mixed Waste Fee; WA State Department of Health's air emissions monitoring invoice; Natural Resource Trustee Council. Additionally, this funding supports the Hanford Advisory Board for public involvement related to the cleanup mission at the Hanford site.	\$15,186	\$726,878
RL-0100	Regulatory Federal and State Grant Support	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.	\$6,161	\$733,039
RL-0013C	Canister Storage Building Surveillance and Maintenance	Provide operations necessary to support safe and compliant interim storage of Spent Nuclear Fuel (SNF). Included are activities to operate and maintain the Canister Storage Building (CSB) and 200 Area Interim Storage Area (ISA) facilities and associated structures, operating systems and equipment and monitoring systems within the authorization envelope.	\$6,643	\$739,682
RL-0013C	Capsule Storage and Disposition Surveillance and Maintenance	Operate and maintain the Waste Encapsulation and Storage Facility (WESF) and associated structures, operating systems and equipment, and monitoring systems within the authorization envelope; and to maintain systems necessary for environmental compliance, radiological control, personnel safety and capsule integrity.	\$6,873	\$746,555
RL-0013C	Waste and Fuels Program Management	Provide core project management staff for waste and fuels min safe operations necessary to manage low-level waste, mixed low-level waste, transuranic waste, liquid effluents, cesium/strontium capsules, and irradiated nuclear fuel. Prepare annual M-091-03 Project Management Plan. This effort directly supports M-091-03H (6/30/14).	\$13,275	\$759,830

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RL-0013C	Liquid Effluent Min Safe and Operations	Provide min safe operations and necessary upgrades to treat Hanford site effluents in accordance with state permit requirements. Facilities support ongoing site cleanup activities including: groundwater remediation and radioactive waste tank volume reduction.	\$13,072	\$772,902
RL-0013C	T-Plant Min Safe and Base Operations	Maintains T-Plant in a min. safe and compliant condition. Supports surveillance and maintenance. Provides the operations necessary to support K-Basin sludge storage (M-016-176).	\$15,299	\$788,201
RL-0030	Groundwater Monitoring (GWM), Integration & Assessment, and Operations & Maintenance	Accomplishes 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. Deploys chemical and biological treatment to select areas in support of final remedies.	\$68,046	\$856,247
RL-0013C	Integrated Disposal Facility (IDF) Min Safe	Provides min safe operations of the IDF in a safe and permit compliant manner prior to the facility being placed in operational mode.	\$361	\$856,608
RL-0013C	Waste Receiving and Processing (WRAP) Facility Min Safe	Maintains WRAP in a min safe and compliant condition. This effort directly supports M-091-46 (9/30/17).	\$3,199	\$859,807
RL-0013C	Central Waste Complex Min Safe	Maintains the Central Waste Complex (CWC) and the Low Level Burial Grounds in a min safe and compliant condition. Store waste at CWC. Perform surveillance and maintenance at the Low Level Burial Grounds.	\$10,576	\$870,383
RL-0013C	Mixed Waste Disposal Trenches Min Safe and Base Ops	Maintains Mixed Waste Disposal Trenches (MWDT) at ERDF in a min safe and compliant condition. Provides Mixed Waste Disposal Trench operations to support waste generators including River Corridor, Office of River Protection, Soil & Groundwater, Plutonium Finishing Plant, and Deactivation and Decommissioning projects in accordance with applicable waste acceptance criteria.	\$53	\$870,436

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PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative (\$000)
RL-0013C	Mixed Waste Disposal Trenches Min Safe and Base Ops	Maintains Mixed Waste Disposal Trenches (MWDT) in a min safe and compliant condition. Provides Mixed Waste Disposal Trench operations to support waste generators including River Corridor, Office of River Protection, Soil & Groundwater, Plutonium Finishing Plant, and Deactivation and Decommissioning projects in accordance with applicable waste acceptance criteria.	\$637	\$874,073
RL-0013C	Solid Waste Base Operations	Maintain a Ready To Serve waste management program to support all Hanford projects and operations. Provide waste support activities (e.g., maintenance of waste acceptance criteria).	\$3,074	\$874,147
RL-0011	PFP Disposition: Deactivation, Decommissioning, and Demolition	Funding supports deactivation and decommissioning activities for the major PFP facilities to achieve "ready-for-demolition" in support of the 2015 Vision (slab on grade) and TPA milestones. Major facilities include: 234-5Z, 291-Z, 291-Z Stack, 236-Z (PRF), 243-Z and 242-Z. TPA milestones: M-083-44 and M-08-00A. Activities include deactivation, decontamination and removal of gloveboxes and process and support systems (i.e., criticality, HVAC, Fire Protection) and equipment as needed to prepare facilities for demolition. Funding also supports PRF Canyon equipment removal and cleanout of the PRF Canyon.	\$3,556	\$877,703
RL-0011	Program Management in Support of PFP D&D	Provide incremental program management and support activities necessary to support D4 activities: deactivation, decontamination, decommissioning and demolition. Provides overall coordination, direction, and customer interface to ensure effective management of contract scope, including baseline management activities and strategic planning. This includes ES&H oversight, quality assurance management, safety and job hazards analysis, technical support and integration with site-wide activities.	\$35,438	\$913,141
RL-0011	PFP Ancillary Facility Decontamination and Decommissioning (D&D)	PFP demolition of PFP ancillary facilities/structures and site stabilization; includes demolition of support buildings and structures, storage facilities, trailers and administration buildings and the restoration of the site.	\$2,352	\$915,493

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RL-0011	PFP Disposition: Deactivation, Decontamination, Decommissioning, and Demolition	Funding supports deactivation and decommissioning activities for the major PFP facilities to achieve ready-for-demolition in support of the 2015 Vision (slab on grade) and TPA milestones. Major facilities include: 234-5Z, 291-Z, 291-Z Stack, 236-Z (PRF), 243-Z and 242-Z. TPA milestones: M-083-44 and M-08-00A. Activities include deactivation, decontamination and removal of gloveboxes and process and support systems (i.e., criticality, HVAC, Fire Protection) and equipment as needed to prepare facilities for demolition. Funding also supports PRF Canyon equipment removal and cleanout of the PRF Canyon.	\$37,588	\$953,081
RL-0012	K-Basin Closure Sludge Removal	Complete operational readiness for 100K West Basin; begin sludge removal from 105KW Fuel Storage Basin. Complete STSC Annex modifications; and T Plant readiness to receive sludge for interim storage.	\$47,019	\$1,000,100
RL-0013C	SNF Disposition Readiness	Ready To Serve activity provides for compliance with Nuclear Waste Policy Act requirements by providing technical, quality assurance, and programmatic support to licensing activities affecting Hanford spent nuclear fuel inventories.	\$273	\$1,000,373
RL-0030	Complete Central Plateau Burial Ground CERCLA RI/FS	Supports essential services and progress towards the continued performance of burial ground characterization in the Central Plateau. This effort directly supports M-037-02 (6/30/14).	\$161	\$1,000,534
RL-0041	K Area Remediation	Continue structure D4, waste site remediation and KW/ISS activities necessary to support completion of TPA Milestones.	\$8,480	\$1,009,014
RL-0041	K Area Interim Safe Storage	Complete Interim Safe Storage (ISS) of the 105-KE Reactor in support of M-093-22 TPA milestone.	\$4,432	\$1,013,446
RL-0011	PFP Disposition: Deactivation, Decontamination, Decommissioning, and Demolition	Funding supports work teams to conduct deactivation and decommissioning activities in the PFP facilities. D&D activities include the removal of transfer lines, process vacuum piping filters, ductwork and asbestos. It is essential to the success of the project to maintain the highly trained and qualified work teams.	\$4,847	\$1,018,293

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RL-0011	PFP Disposition: Deactivation, Decontamination, Decommissioning, and Demolition	Funding supports essential procurements needed to prepare facilities for demolition. The increment supports the remaining accomplishments for the above PFP Closure Project ABBS. Focus will be to procure essential items such as the Brokk machine to support the PRF canyon cleanup of equipment and waste such as the pencil tank strongbacks and decontaminating the canyon walls. Another major procurement is a structure or method for enclosure of the PRF and 242-Z facilities for demolition. These activities support completion of the TPA compliant milestones M-083-44 and M-083-00A.	\$17,831	\$1,036,124
RL-0041	K Area Remediation	Initiate KW/ISS activities necessary to support completion of TPA Milestone M-093-26.	\$4,849	\$1,040,973
RL-0030	Groundwater Monitoring (GWM) CERCLA Remediation Operations and Maintenance	Accomplishes modifications of existing remediation systems in compliance with RODs. Specific accomplishments are: Implementation of the final remedy for 300-FF-5; Implementation of the final remedy for 100-KR-4; Implementation of the interim remedy for 100-NR-2; and implementation of the interim remedy for 100-BC-5.	\$95,542	\$1,136,515
RL-0030	Modifications & Expansions of Groundwater Systems	Implements the remedies identified in the Records of Decision (RODs) for 200-UP-1, 100-KR-4 and 300-FF-5.	\$22,082	\$1,158,597
RL-0041	K Area Remediation	Continue waste site remediation activities for newly discovered waste sites in the 100K area to support the TPA milestone M-016-143 (12/31/2015).	\$50,000	\$1,208,597
RL-0012	K-Basin Surveillance and Maintenance and Min Safe	Continue phase 2 Sludge Treatment and packaging technology activities in support of TPA M-016-173.	\$13,386	\$1,221,983
RL-0013C	SNF Disposition Support to Compliance	Planning for consolidation of the special nuclear material found during remediation activities.	\$209	\$1,222,192
RL-0040	Infrastructure	Funding provides necessary site infrastructure upgrades, replacement and repairs to support cleanup. In FY14, these include: replacement of a crane and fire truck, HLAN network upgrades, roadway repairs and sealing, water line improvements, fire alarm system upgrades, and vehicle maintenance shop improvements.	\$20,000	\$1,242,192

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RL-0030	Modifications & Expansions of Groundwater Systems	Provides for expansion of River Corridor and Central Plateau groundwater cleanup actions (e.g. pump & treat system) deployed in the River Corridor and Central Plateau of the Hanford Site. Includes the decommissioning of Non-Tank Farm wells.	\$2,919	\$1,245,111
RL-0030	Complete 100 and 300 Areas River Corridor CERCLA RI/FS/PP to Obtain Final Decisions	Supports progress towards the development and issuance of Record of Decisions and follow-on Remedial Design/Remedial Action Work Plans needed to implement the final remedies for the 100 and 300 Area groundwater River Corridor operable units (100-HR-3, 100-KR-4, 100-NR-2, 100-FR-3, 100-BC-5, and 300-FF-5).	\$1,308	\$1,246,419
RL-0030	Complete Central Plateau Ground Water, Outer Area & Deep Vadose Zone CERCLA RI/FS/PP	Achieves progress towards completion of the required documentation to complete the CERCLA RI/FS process and obtain the final ROD.	\$441	\$1,246,860
RL-0030	Complete Central Plateau Burial Ground CERCLA RI/FS	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 Central Plateau groundwater operable units Outer Area waste sites, Canyon Facilities, and deep vadose zone sites. This also accomplishes progress on a disposition path forward on deep vadose zone remediation and the feasibility of existing technologies to accomplish that clean up of waste sites where deep vadose zone contamination exists.	\$954	\$1,247,814
RL-0030	Complete Central Plateau Ground Water, Outer Area & Deep Vadose Zone CERCLA RI/FS/PP	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 Central Plateau groundwater operable units Outer Area waste sites and deep vadose zone sites. This also accomplishes progress on a disposition path forward on deep vadose zone remediation and the feasibility of existing technologies to accomplish that clean up of waste sites where deep vadose zone contamination exists.	\$28,224	\$1,276,038

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RL-0030	Compliance Support for the Central Plateau Inner Area, Canyon Facilities and waste sites CERCLA RI/FS	Achieves significant progress towards the completion of the necessary characterization and supporting decision documentation that are needed to complete the CERCLA RI/FS process and obtain the final Records of Decision for the Central Plateau remediation actions surrounding waste sites and implementation of PW-1/3/6 Record of Decision.	\$8,690	\$1,284,728
RL-0013C	Mixed Waste Treatment and TRU Repackaging	Making progress in treating mixed waste at ERDF to meet TPA M-091-42, M-091-43, M-091-44 and M-091-46 compliance milestones.	\$7	\$1,284,735
RL-0013C	Mixed Waste Treatment and TRU Repackaging	Making progress in treating waste to meet TPA M-091-44 and M-091-46 compliance milestones.	\$2,257	\$1,286,992
RL-0020	Safeguards and Security	Provides for essential services for implementing various safeguards and security functions for emerging security scope, including access controls, emergency response, physical security, material control and accountability, information security, personnel security and protective force programs in required to protect special nuclear material.	\$5,645	\$1,292,637
RL-0013C	Mixed Low-Level Waste Treatment	Treat generated waste in accordance with Washington State Dangerous Waste Regulations and DOE O 435.1 compliance waste.	\$7	\$1,292,644
RL-0100	Natural Resource Damage Assessment	Supports Natural Resource Injury assessment activities required by Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) regulations and DOE Natural Resource Damage Assessment policy.	\$7,543	\$1,300,187