

Richland Analytical Building Blocks

FY 2014

Draft Pre-Decisional

(\$ in 000's)

PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative
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.	32,420	32,420
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.	12,465	44,884
RL-0012	K-Basin Surveillance and Maintenance and Min Safe	Provides operation and maintenance support to maintain the K West Basin in a safe and compliant manner. Funding also supports minimum required surveillance and maintenance activities.	27,071	71,956
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.	2,780	74,736
RL-0020	Safeguards and Security	Maintain appropriate Hanford site access controls, emergency response, and physical security at the Hanford Site. Maintain Material Control and Accountability, Information Security, Personnel Security, and Protective Force.	73,844	148,580

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PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative
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.	7,223	155,803
RL-0041	River Corridor Min Safe and Essential Services	River Corridor Cleanup support services including: waste operations; surveillance and maintenance; utilities; and general support services. These are minimum services that must be made available in order for workers to safely be on site.	2,478	158,282
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.	2,121	160,403
RL-0041	River Corridor Cleanup and Closure	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.	262,844	423,247
RL-0041	K Area Surveillance and Maintenance	Supports minimum required surveillance and maintenance activities for 105KW.	6,514	429,761

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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 as 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.	30,000	459,761
RL-0013	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 as 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.	57,918	517,679

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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.	22,112	539,791
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.	75,753	615,544

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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.	6,939	622,483
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; and the Payment in Lieu of Taxes (PILT) for Grant, Benton, and Franklin Counties. Additionally, this funding supports the Hanford Advisory Board for public involvement related to the cleanup mission at the Hanford site.	16,301	638,784
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.	6,612	645,396
RL-0013	Canister Storage Building Surveillance and Maintenance	Provide operations necessary to support min 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.	6,869	652,265
RL-0013	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 in a min safe condition and within the authorization envelope; and to maintain systems necessary for environmental compliance, radiological control, personnel safety and capsule integrity.	7,107	659,372

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PBS	Work Description Title	FY 2014 Description	FY 2014 (\$000)	FY 2014 Cumulative
RL-0013	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.	13,726	673,098
RL-0013	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.	23,718	696,816
RL-0013	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).	15,819	712,635
RL-0013	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.	280	712,915
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.	24,657	737,572
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.	70,557	808,129
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.	181	808,311
RL-0013	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.	373	808,684
RL-0013	Waste Receiving and Processing (WRAP) Facility Min Safe	Maintains WRAP in a min safe and compliant condition.	3,308	811,992

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RL-0013	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.	10,919	822,911
RL-0013	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.	746	823,657
RL-0013	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).	3,179	826,836
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.	37,139	863,975
RL-0011	PFP Ancillary Facility Decontamination and Decommissioning (D&D)	PFP demolition of PFP ancillary facilities/structures and site stabilization; includes demolition of storage facilities, trailers, administration buildings, connex boxes and septic tank/drain field.	2,461	866,436
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.	50,729	917,165

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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.	66,888	984,053
RL-0041	Environmental Restoration Disposal Facility (ERDF) Operations	ERDF Operations for Central Plateau and River Corridor Closure in support of 2015 Vision.	35,325	1,019,379
RL-0040	RL Directed Activities	Funding supports: 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.	54,866	1,074,245
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	1,169,787
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	1,191,869
RL-0012	K Basin Closure Sludge Treatment and Engineering	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.	13,386	1,205,256
RL-0013	SNF Disposition Support to Compliance	Planning for consolidation of the special nuclear material found during remediation activities.	209	1,205,465

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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	1,225,465
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	1,228,384
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	1,229,692
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 dispositioning a 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.	28,665	1,258,357
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.	9,225	1,267,582

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RL-0013	Mixed Waste Treatment and TRU Repackaging	Making progress in treating mixed waste to meet TPA M-091-42, M-091-43, M-091-44 and M-091-46 compliance milestones.	2,265	1,269,847
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.	9,497	1,279,344
RL-0020	Safeguards and Security	Maintain appropriate Hanford site access controls, emergency response, and physical security at the Hanford Site. Maintain Material Control and Accountability, Information Security, Personnel Security, and Protective Force.	5,645	1,284,989
RL-0013	Mixed Low-Level Waste Treatment	Treat generated waste in accordance with Washington State Dangerous Waste Regulations and DOE O 435.1 compliance waste.	7	1,284,997
			1,284,997	