

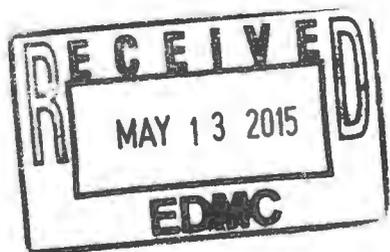
1229740
[1505140147]



Inter-Agency Management Integration Team Meeting
March 19, 2015
AGENDA

Chairperson: R. Corey

10:05 a.m.	Discuss IAMIT action tracking
10:50 a.m.	Adjourn Inter-Agency Management Integration Team Meeting



	12/22/14. DOE records stamped EPA received letter 12/29/2014.	new interim sludge treatment and packaging milestones.				
7	EPA Disapproved TPA change control form M-16-13-04 on 12/22/14. DOE records stamped EPA received letter 12/29/2014	Resolve dispute on EPA disapproval of TPA change control form M-16-03-04. Milestone M-016-149, Complete 100-IU-2/6 interim response actions for waste sites.	Closed	On 02/02/15, EPA approved and signed change request M-16-15-02, extending the due date of milestone M-016-149 to 03/31/16.		3/19/15
8	Ecology Disapproved TPA change control form M-62-14-02.	Resolve dispute on Ecology disapproval of TPA change control form M-62-14-02. Milestone M-062-45, Comp. Neg's 6-Mo After Last Issuance of System Plan.	Open			
9	DOE provide briefing to Regulators on Ecology FY 2015 budget appropriations pursuant to 149.F	DOE provided briefing to regulators on FY14 Year End and FY 15 Appropriations on 3/3/15.	Closed			3/19/15

IAMIT ACTION TRACKING March 19, 2015

#	Start Date	Action	Action Status	Updates/Needs for Closure	Actionee(s)	Date Closed
1	DOE provided change control forms to Ecology on 9/16/14	Ecology provide comments on TPA Appendix Change Control forms C-13-01 and C-14-02 that align the waste sites for operable unit 200-IS-1.	Open	Stated at monthly IAMIT, impacts TPA M/S M-015-112 IS-1 work plan that is in dispute	Ecology AG reviewing, to provide comments on legal determination due December 15	
2	11/15/2013 transmits TPA chg ctrl form 12/3/2013 Ecology disapproves 12/10/2013 DOE initiates dispute	Resolve dispute on Ecology disapproval of TPA change control form M-15-13-03. Milestone M-015-112, 200-IS-1 RFI wrk pln.	Open	Dispute extended at the project managers level to 3/30/2015 per extension agreement 1/29/15.		
3	EPA Disapproved TPA change control form M-16-14-02 on 10/14/14.	Resolve dispute on EPA disapproval of TPA change control form M-16-04-02. Milestone M-016-175 Begin Sludge Removal.	Open	SOD transmitted to the IAMIT on Dec 3, 2014. Dispute extended at the IAMIT level to 3/31/2015 per extension agreement 3/4/15.	IAMIT resolve the dispute & issue written decision or forward to the SEC.	
4	12/4/2014 DOE transmits draft TPA App C 12-12-03 chg ctrl form tp update 100 Area waste sites	EPA and Ecology review and provide comments to DOE	Open	Ecology EPA comments complete. Preparing reclassification form for 100 K reactors and drafting Appendix J chg ctrl form.	DOE	
5	TPA Appendix B update	Meet with Ecology to review draft TPA Appendix B change control form	Open	Appendix B is out of date	DOE schedule a meeting with Ecology and EPA to discuss.	
6	EPA Disapproved TPA change control form M-16-14-04 on	Resolve dispute on EPA disapproval of TPA change control form M-16-04-04. Milestone M-016-173, Select K Basin Sludge treatment and packaging technology and propose	Open	On 3/4/15, DOE and EPA agreed to extend the dispute at the project manager level until 3/31/15		

Environmental Management Regulator Briefing

**FY 2014 Year-End
FY 2015 Appropriations**



*Jon Peschong, Richland Operations Office
Central Plateau and River Corridor*

March 3, 2015

Richland Cleanup

March 2015

Regulatory Briefing - Richland Operations Office

- Maintain safe, secure and compliant activities, facilities and operations
- Continue Plutonium Finishing Plant deactivation, decommissioning and demolition
- Continue groundwater pump and treat operations, and implement additional groundwater remedies
- Continue River Corridor cleanup
- Continue preparation to move sludge from K-West Basin near the Columbia River to interim storage in the Central Plateau
- Upgrade Waste Encapsulation Storage Facility ventilation system
- Support limited repackaging of large TRU containers and waste drums
- Continue to maintain and upgrade Hanford Site Infrastructure



Richland Prime Contracts

March 2015

Regulatory Briefing - Richland Operations Office



Cleanup of 220 square miles along Columbia River: facility demolition, waste site remediation, operation of disposal facility

Facility and waste site cleanup, groundwater remediation, waste management

Cost-effective infrastructure and site services to support the cleanup mission

Awarded in 2005

Awarded 2008 for 5 years, with 5 option years

Awarded 2009 for 5 years, with 5 option years

Total Contract Value: \$2.5 billion

Total Contract Value: \$5.7 billion

Total Contract Value: \$3.5 billion

Cost-plus incentive-fee contract

Cost-plus award-fee contract

Cost-plus award-fee contract

HPM Corporation (HPMC) provides occupational medical services to DOE, Hanford contractors

- Awarded in 2012 for a two-year hybrid contract with four one-year option periods that includes firm-fixed price with award fee, cost reimbursement, and Indefinite Delivery Indefinite Quantity (IDIQ) component
- Total Contract Value: \$99 million

Safety and Health

March 2015

Regulatory Briefing - Richland Operations Office



Recent safety accomplishments:

Washington Closure Hanford reached 5 million safe hours for the third time since beginning work on the River Corridor Closure Project in 2005

CH2M Hill Plateau Remediation Company went from Voluntary Protection Program (VPP) Merit Status to STAR Status

Mission Support Alliance was VPP STAR Status recertified



RL Profile

March 2015

Regulatory Briefing - Richland Operations Office

(\$ in Thousands)

PBS	PBS Title	FY 2014 Omnibus (Enacted)	FY 2015 President's Budget	FY 2015 Omnibus Allocation	FY 2016 President's Budget
RL-0011	NM Stabilization and Disposition - PFP	142,670	168,228	137,130	148,661
RL-0012	SNF Stabilization and Disposition	98,369	76,777	67,746	81,192
RL-0012	15-D-401 Containerized Sludge Line Item		26,290	46,055	77,016
RL-0013	Solid Waste Stabilization and Disposition - 200 Area	130,126	112,371	107,651	150,691
RL-0030	Soil and Water Remediation - Groundwater/Vadose Zone	141,500	116,916	184,929	174,619
Subtotal	Central Plateau Remediation	512,665	500,582	543,511	632,179
RL-0040	Nuclear Facility D&D - Remainder of Hanford	70,992	65,922	65,922	88,874
RL-0041	Nuclear Facility D&D - River Corridor Closure Project	337,642	266,866	311,866	108,083
Subtotal	River Corridor and Other Cleanup Operations	408,634	332,788	377,788	196,957
RL-0020	Safeguards and Security	69,078	63,668	63,668	67,601
RL-0042	Nuclear Facility D&D - Fast Flux Test Facility Project	2,542	2,562	2,562	2,562
RL-0100	Richland Community and Regulatory Support	19,701	14,701	19,701	14,701
RL-TD-0100	Technology Development		-		
Total - RL	Richland Field Office Funding Summary	1,012,620	914,301	1,007,230	914,000

* Big plus

Hanford Cleanup

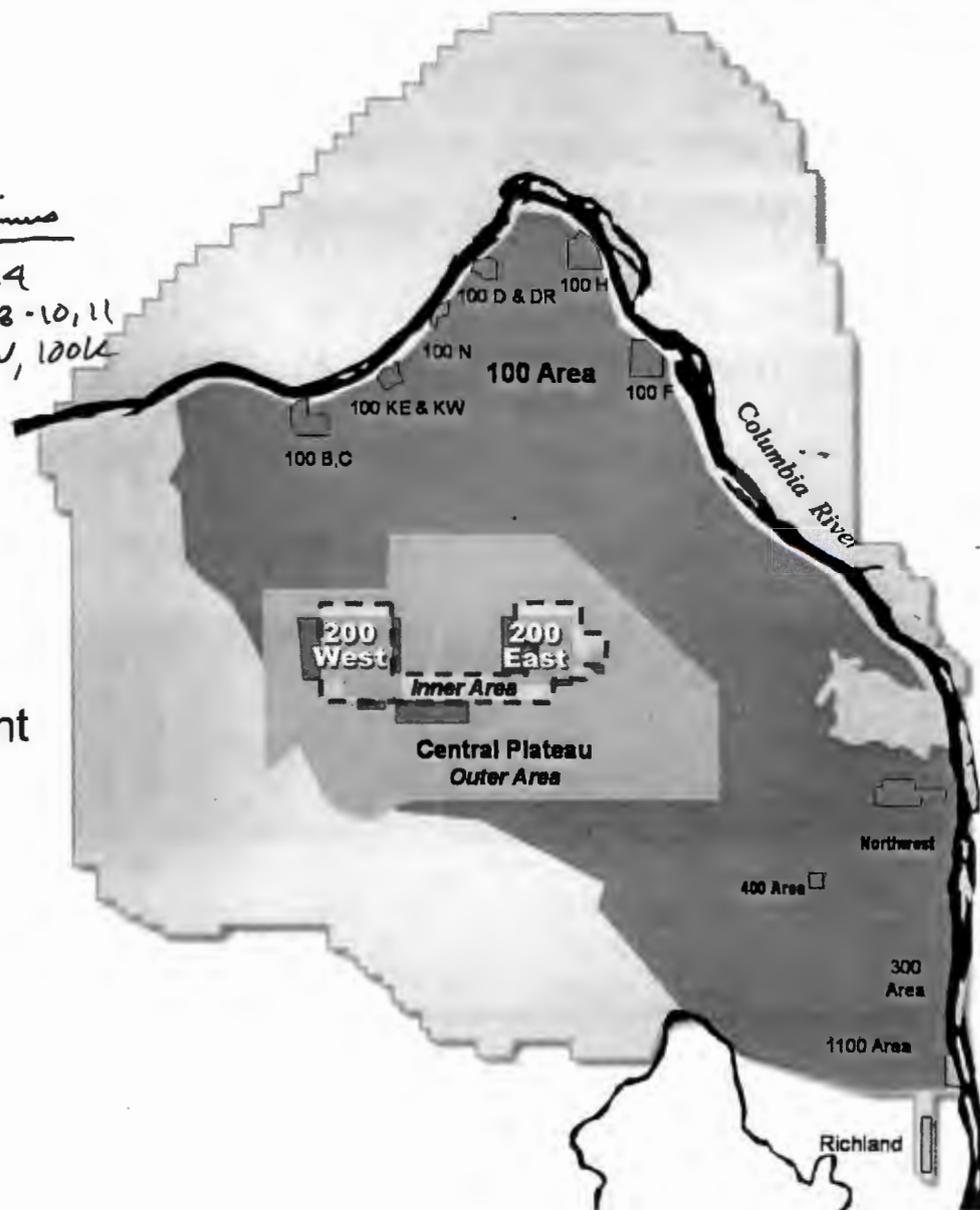
March 2015

Regulatory Briefing - Richland Operations Office

Work in four areas:

-  River Corridor (~220 sq. miles)
-  Central Plateau - Outer Area (~65 sq. miles)
-  Central Plateau - Inner Area (~10 sq. miles)
-  Hanford Reach National Monument (~300 sq. miles) (including Arid Lands Ecology Reserve)

Minus
324
G18-10, 11
KW, 100K



Site-Wide Services

March 2015

Regulatory Briefing - Richland Operations Office

Provide site-wide services for day-to-day operations of services to include but not be limited to general utilities and fire department. Site-wide services are prorated across the PBSs.

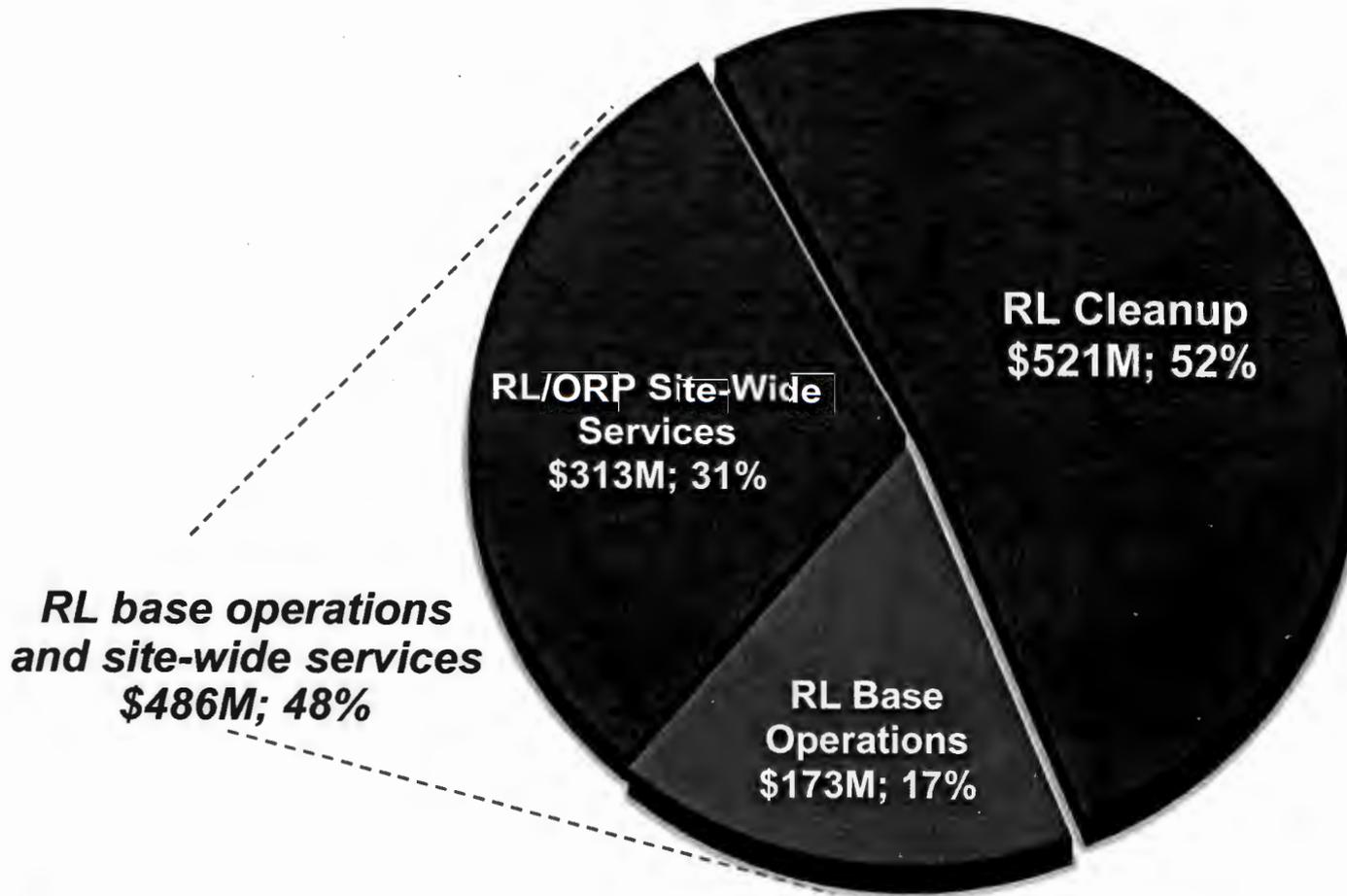


Base Operations and Site-Wide Services Budget Profile

March 2015

Regulatory Briefing - Richland Operations Office

FY 2015 RL \$1,007M Budget Distribution*



* For presentation purposes \$ are approximate/rounded

RL Budget Overview

PROJECT WORK – RIVER CORRIDOR



U.S. DEPARTMENT OF
ENERGY

Sludge Retrieval – RL-12

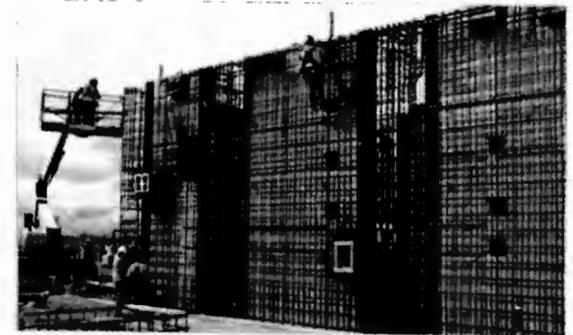
March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

RL-0012 (\$98.4M)

- Operated and maintained K-West Basin, a Category 2 nuclear facility, and associated structures in a safe and compliant manner and supported required surveillance and maintenance activities
- Continued construction of K-West Basin Annex
 - Completed Annex structural steel installation
 - Completed Annex concrete roof deck installation
 - Completed Annex wall panel installation
 - Continued fire coating application
- Installed Hose-In-Hose shield assembly
- Revised nuclear safety basis to incorporate nuclear safety initiatives
- Completed sludge removal system optimization demonstration
- Initiated K-West Basin facility modifications to prepare for installation of sludge removal system
- Procured select sludge removal equipment
- Designed T Plant modifications necessary to receive and store sludge



Construction of K-West Basin Annex

Sludge Retrieval – RL-12

March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

K-Basin Closure, RL-0012 (\$67.7M)

- Operate and maintain K-West Basin, a Category 2 nuclear facility, and associated structures in a safe and compliant manner and support required surveillance and maintenance activities
- Initiate cell cleanout activities at T Plant to prepare for modifications necessary to receive and store sludge
- Conduct cold commissioning of Engineered Container Retrieval and Transfer System (ECRTS) at Maintenance and Storage Facility (MASF) (mock-up facility)
- Continue management and nuclear safety support for the ECRTS procurement and construction activities

Sludge Retrieval and Treatment - Line Item, RL-0012 (\$46.1M)

- Complete construction of K West Basin Modified Annex
- Continue procuring sludge retrieval equipment
- Continue K West Basin facility modifications to prepare for installation of sludge removal equipment

\$108 mill

Wall panels



River Corridor – RL- 41

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Nuclear Facility D&D – River Corridor Closure Project, RL-0041 (\$337.6M)

- Completed the removal of the 309 Plutonium Recycle Test Reactor and 340 Facility vaults and tanks
- Completed remediation and backfill of the majority of waste sites in the 100-N Area
- Continued field remediation and facility disposition in the 100, 300 and 600 Areas in the River Corridor
- Continued remediation of the 618-10 Burial Ground trenches and demonstration of vertical pipe unit (VPU) remediation technology
- Initiated design for remediation of the highly radioactive waste site (300-296) below the 324 Building
- Completed the remediation of three deep-chromium contaminated waste sites in the 100-D Area
- Operated the Environmental Restoration Disposal Facility in support of Hanford Site cleanup activities
- Supported safe and essential service activities for K Area remediation



K East reactor roof repairs



K East ramp construction

River Corridor – RL- 41

March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Nuclear Facility D&D – River Corridor Closure Project, RL-0041 (\$311.9M)

- Continue remediation of waste sites in the 100, 300 and 600 Areas in the River Corridor
- Complete disposition of the 300 Area Surplus Facilities, excluding the 324 Building
- Continue the design for remediation of the highly radioactive waste site (300-296) beneath the 324 Building and initiate mock-up facility construction
- Continue 618-10 Burial Ground trench remediation, including the necessary associated vertical pipe unit remediation
- Complete backfill of three deep-chromium contaminated waste sites in the 100-D Area
- Operate the Environmental Restoration Disposal Facility in support of Hanford Site cleanup operations
- Support safe and essential service activities for K Area remediation * Waste sites



An aerial photo of the 618-10 Burial Ground



Workers sampling drums retrieved from trenches at the 618-10 Burial Ground

RL Budget Overview

PROJECT WORK – CENTRAL PLATEAU



U.S. DEPARTMENT OF
ENERGY

Plutonium Finishing Plant – RL-11

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Plutonium Finishing Plant, RL-0011 (\$142.7)

- Provided safe and essential services to manage industrial, radiological and nuclear hazards during the D&D of the PFP systems, facilities, and structures
- Performed safe and compliant D&D activities for the major plutonium-contaminated PFP facilities to achieve ready-for-demolition status (M-083-44)
- Demolished select ancillary facilities surrounding PFP
 - *To date, completed deactivation, decommissioning and demolition and removal of 63 of 81 facilities and structures (Completed 2704-Z in July 2014 and 270-Z in August 2014)*
- Removed 11 glove box/hoods in FY 2014 from the Plutonium Conversion Facility (234-5Z) (201 of 238 gloveboxes and hoods total project through September 30, 2014)
- Disposed of 25 pencil tank units in FY 2014 from Plutonium Reclamation Facility (Completed 142 of 196 pencil tank units total project through September 30, 2014)
- Completed asbestos removal on >17,491 feet of piping
- Completed waste shipments



Workers have removed 201 of 238 glove boxes to date from highest-hazard facility at Hanford, the Plutonium Finishing Plant



Workers have demolished 63 of 81 Plutonium Finishing Plant facilities

Plutonium Finishing Plant – RL-11

March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Plutonium Finishing Plant, RL-0011 (\$137.1M)

- Provided safe and essential services to manage industrial, radiological and nuclear hazards during the D&D of the PFP systems, facilities, and structures
- Continue to deactivate and prepare for the demolition of the above-grade portions of the Plutonium Processing & Storage Building, Plutonium Reclamation Building, Low Level Waste Treatment Facility, Americium Recovery Facility, Main Stack and other facilities
- Demolish and disposition Wastewater Treatment Facility (243-Z)



Workers have sealing out pencil tanks



Glove box cleanup and removal

Plutonium Finishing Plant – RL-11

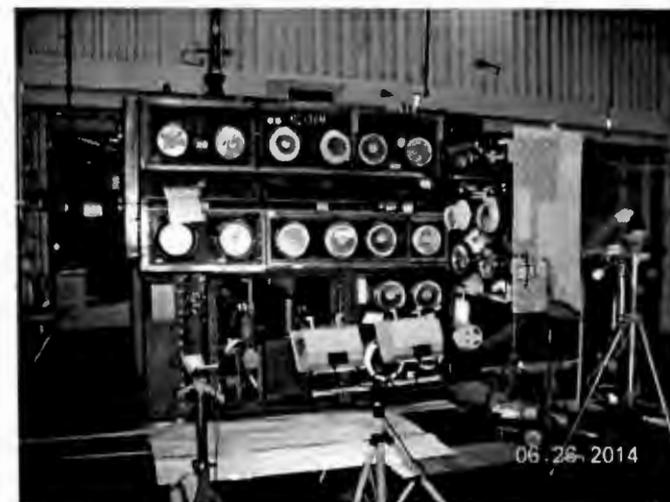
March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Plutonium Finishing Plant, RL-0011 (\$137.1M)

- Remove 10 glove box/hoods from the Plutonium Conversion Facility (234-5Z)
- Dispose of 31 pencil tank units from the Plutonium Reclamation Facility
- Clean out and stabilize gloveboxes in the Plutonium Reclamation Facility and remove them from the E-4 ventilation system
- Disposition the 3 remaining gloveboxes in 242-Z “McCluskey Room” to LLW and disconnect them from the E-4 ventilation system



Glovebox separation (HC-18M/HC-1H)



242-Z “McCluskey Room” -- Right of worker WT-3, left of worker WT-2 (McCluskey Glovebox)

Solid and Liquid Waste Management – RL-13

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Solid Waste Stabilization and Disposition, RL-0013 (\$130.1M)

- Continued operation of waste treatment and compliant storage facilities: Central Waste Complex, Solid Waste base operations, Mixed Waste Disposal Trenches, Liquid Effluent Facility, Integrated Disposal Facility, T Plant, WESF and ERDF interface
 - Issued plan to transfer Effluent Treatment Facility from RL to ORP
 - Awarded subcontract for replacement heat exchanger for the Effluent Treatment Facility
 - Fixed 53 T-Plant fire barrier discrepancies
- Completed the Conceptual Design for the WESF K3 Stabilization and Ventilation Project (W-130)
- Continued conceptual and preliminary designs for the ERDF leachate transfer line to 200 West Pump and Treat Facility
- Prepared the acquisition strategy, request for proposal, and Performance Specification for Cs/Sr capsules dry storage (W-135)
- Completed the Ecology Agreed Order Actions
- Performed Large Container TRU-mixed waste shipments to PermaFix Northwest to repackage suspect TRU waste



Effluent Treatment Facility



Large Package TRU Shipment to PermaFix Northwest

Solid and Liquid Waste Management – RL-13

March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Solid Waste Stabilization and Disposition, RL-0013 (\$107.7M)

- Provide safe base operations necessary to support safe and compliant storage of special nuclear fuel and cesium and strontium capsules
 - Complete the final design for the WESF K3 Ventilation and Stabilization Project, and issue construction contract
- Operate waste treatment and compliant storage facilities: Central Waste Complex, Solid Waste base operations, Mixed Waste Disposal Trenches, transition Liquid Effluent Facility operation to ORP, Integrated Disposal Facility, T Plant, WESF and ERDF interface. Remaining facilities remain at safe operation.
- Continue to repackage radioactive/hazardous waste drums and large boxes at Permafix Northwest
- Perform operations to treat Hanford site effluents
 - Transfer ETF Operations from RL to ORP
 - Construct and operate the ERDF Leachate Transfer Line

Groundwater – RL-30

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Soil & Water Remediation – Groundwater, RL-0030 (\$141.5M)

- Continued integration of site-wide groundwater and vadose zone cleanup activities; groundwater contamination monitoring, operations, maintenance, and necessary modifications of existing remediation systems; and deployment of chemical and biological treatment to select areas in support of final remedies
 - *Extracted and treated over 1.95 billion gallons of groundwater, removing 62 tons of contaminants*
 - *Initiated construction of the uranium treatment system and well network as required by the 200-UP-1 ROD*
- Continued progress toward completing decision documentation for the Comprehensive Environmental Response, Compensation, and Liability Act Remedial Investigation/Feasibility Study to obtain the final Record of Decision for the 100/300 Areas located in the River Corridor
 - *Obtained the Records of Decision for the 100-F Reactor Area and 300 Area*



100-F Area



300 Area

Groundwater – RL-30

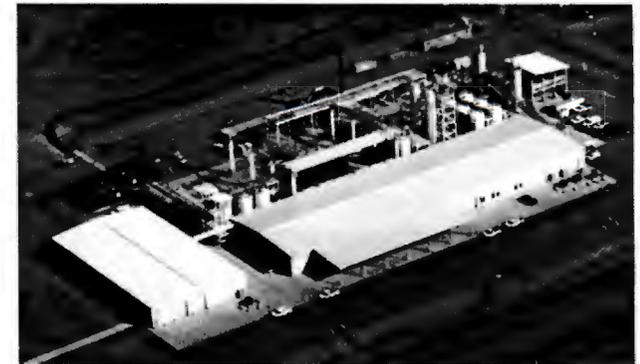
March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Soil & Water Remediation – Groundwater, RL-0030 (\$184.9M)

- Continue 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
 - Complete construction of the uranium treatment system at the 200 West Pump and Treatment Facility
 - Initiate construction of the pipeline from the 200 East Area (200E) to the 200W Area for treatment of 200E groundwater
- Continue operation of the River Corridor and Central Plateau Area Pump and Treatment Facilities for treatment of at least 2.1 billion gallons of contaminated groundwater (removing carbon tetrachloride, nitrates, hexavalent chromium and technetium-99)
- Continue to meet Tri-Party Agreement M-024 well drilling commitments *
- Continue progress towards the completion of the groundwater characterization and supporting decision documentation needed to complete Comprehensive Environmental Response, Compensation, and Liability Act requirements and to obtain final remediation Records of Decision in the River Corridor
 - Initiate remedial investigation for the orchard lands on the River Corridor



200 West Pump and Treatment Facility

Deactivation and Demolition – RL-40

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Nuclear Facility D&D for the Remainder of Hanford, RL-0040 (\$71.0M)

- Provided surveillance and maintenance activities to ensure safety for inactive waste sites and surplus facilities on the Central Plateau
 - Completed a cumulative 508 of 488 FYTD scheduled preventive maintenance activities in the 200 Areas
- Provided RL-Directed services for site integration (Occupational Medicine, land conveyance, Energy savings/alternative fuels, stakeholder involvement)
- Provided HAMMER facilities/programs for safety and health training
- Completed site infrastructure upgrades, replacements and repairs
 - Upgraded fire protection facilities and systems
 - Transferred 300 Area electrical service
 - Repaired water and wastewater systems
- Provided safe and essential site-wide and support services (Utilities, Emergency, Information Public Safety and Resource Protection)
- *Continued removal activities of approx. 1,100 linear ft. of high priority steam line*
- *Continued demolition of Construction Yard Facilities – 80% complete*
 - 19 of 20 facilities demolished to include asbestos and radiological facilities



Steam line asbestos abatement/removal



2300 - Construction Yard – in progress

Deactivation and Demolition – RL-40

March 2015

Regulatory Briefing - Richland Operations Office

Planned Accomplishments through FY 2015

Nuclear Facility D&D for the Remainder of Hanford, RL-0040 (\$65.9M)

- Continue surveillance and maintenance activities to ensure safety for inactive waste sites and surplus facilities on the Central Plateau
- Provide RL-Directed services for site integration (occupational medicine, land conveyance, energy savings/alternative fuels and stakeholder involvement)
- Provide HAMMER facilities/programs for safety and health training
- Complete site infrastructure upgrades, replacements and repairs
 - Upgrade water and wastewater treatment systems
 - Repair electrical system equipment and access road, 300 Area fire water pump
- Provide safe and essential site-wide and support services (Utilities, Emergency, Information Public Safety and Resource Protection)
- Complete demolition of Construction Yard Facilities



Demo of 2300 - Construction Yard



Purex surveillance
PUREX

Hanford Site Support – RL-100

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments FY 2014-2015

Community & Regulatory Support (RL-100) (FY 2014 \$19.7M; FY 2015 \$19.7M)

- Support the Washington and Oregon emergency preparedness programs, Washington State Department of Health oversight and other activities related to Hanford cleanup
- Support the Washington State Department of Ecology RCRA Mixed Waste Program; Washington State Department of Health's air emissions monitoring; Payment in Lieu of Taxes for Grant, Benton, and Franklin Counties; Hanford Advisory Board and misc. permits and fees

Safeguards and Security – RL-20

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Safeguards and Security (RL-0020), \$69.1M

- Maintain safe and mission essential safeguards and security (SAS) programs, including protection of Category 1 special nuclear material
- Maintain appropriate and compliant SAS programs including: protection program management, emergency response, physical security, information protection, protective force, personnel security, cyber security and nuclear material control and accountability for RL and ORP

Planned Accomplishments through FY 2015

Safeguards and Security (RL-0020), \$63.7M

- Maintain safe and mission essential safeguards and security (SAS) programs at the Hanford Site, including protection of Category 1 special nuclear material
- Maintain appropriate and compliant SAS programs including: protection program management, emergency response, physical security, information protection, protective force, personnel security, cyber security and nuclear material control and accountability for RL and ORP
- The \$5.4M shortfall will result in some compliance concerns, and potential for additional risk acceptance

Fast Flux Test Facility– RL-42

March 2015

Regulatory Briefing - Richland Operations Office

Accomplishments through FY 2014

Nuclear Facility D&D Fast Flux Test Facility (RL-0042), \$2.5M

- Supported long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities
 - This support is required until the residual and bulk sodium is dispositioned and facility deactivation and decommissioning is resumed

Planned Accomplishments through FY 2015

Nuclear Facility D&D Fast Flux Test Facility (RL-0042), \$2.6M

- Support long-term safe and compliant surveillance and maintenance for Fast Flux Test Facility and support facilities
 - This support is required until the residual and bulk sodium is dispositioned and facility deactivation and decommissioning is resumed

