

Monthly Performance Report

September 2015

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788



P.O. Box 1600
Richland, Washington 99352

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J. A. Ciucci
President and Chief
Executive Officer

Monthly Performance Report

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September 2015
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EXECUTIVE SUMMARY

CH2M HILL Plateau Remediation Company advanced cleanup throughout the Hanford Site during the month of September. Major accomplishments included:

- The Plutonium Finishing Plant (PFP) closure project used a radiation imaging device from the Savannah River National Laboratory inside the Plutonium Reclamation Facility (PRF) canyon to help determine where to focus decontamination efforts before the canyon can be demolished. The PFP team also began work inside the 242-Z tank room and made preparations to begin size reducing Glovebox HA-9A.
- The Waste and Fuels Management Project (W&FMP) received contract proposals for the Stabilization and Ventilation Project's multiple scopes of work and shipped 87 cubic meter (m³) of suspect transuranic waste to Perma Fix Northwest (PFNW) for repackaging.
- The Soil and Groundwater Remediation Project (S&GRP) completed the construction of all three I-129 injection wells, meeting a Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone. The S&GRP also began unattended operations of the uranium extraction and treatment system, as well as completing aerial radiation survey field activities in support of RL.
- The K Basin Operations and Plateau Remediation (KBO&PR) project completed the construction of the Annex, meeting a Fiscal Year (FY) 2015 performance measure, and released the request for proposal for the T Plant fabrications to support installation of sludge storage equipment.



Workers at PFP began size reducing Glovebox HA-9A.



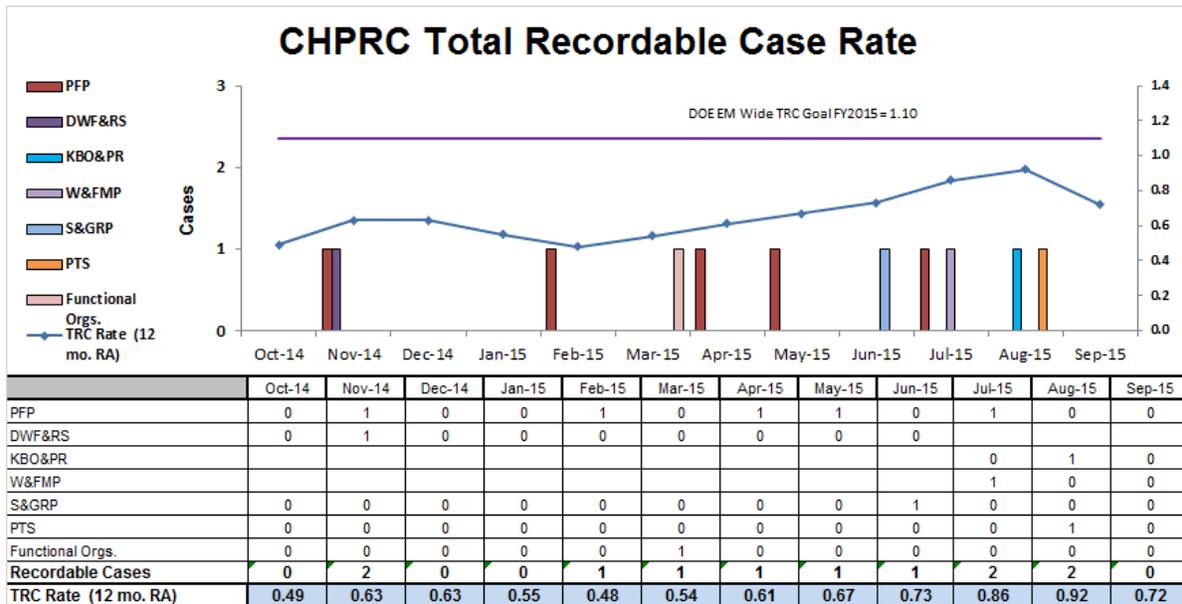
Workers at 100K completed the Annex during the month of September.

- The September 2015 President’s Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security & Quality (SHS&Q) organization. The three main ideas for the meeting were regarding Traffic Safety:
 - o Why we work safely.
 - o Be Here Now.
 - o Injury Reduction—you can make a difference.
- Four “*Thinking Target Zero*” (TTZ) bulletins were published in September to convey important occupational, safety, health, and environmental messages:
 - o Washington State annual collision statistics - inattention/distraction is the most frequent contributing circumstance among all collisions.
 - o Employee Safety Ownership because worker involvement is key to the success of CHPRC.
 - o National Prescription Drug Take-Back Day.
 - o Emergency Preparedness—knowing what to do in the face of an emergency or natural disaster.
- September *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - o Four Lessons Learned: Forming Stake Penetrates Cab of Pickup Truck during Forklift Operation; Hand Injured during Crane Re-spooling Activity; unsafe habits result in mild electrical shock from three-prong plug; and Energized wires found after structure was believed to be ready for demolition.
 - o “What Would You Do?” Ethics Awareness messages.
 - o Injury/Illness Summaries and the TTZ of the week.
 - o Avoid Deer and Elk Strikes.
 - o Yielding to Emergency vehicles is the law.
 - o Information regarding HMPC medical appointments.
 - o A reminder about the Special Safety Bulletin issued in August regarding the treatment of Tritium Exit Signs.
 - o Microwave Oven Safety.
 - o Employee Job Task Analyses and Training Plan Descriptions.
- Weekly Updates in September featured blogs that highlighted safety, health, and environmental messages:
 - o Terry Vaughn, Vice President of SHS&Q, reminded everyone to refocus on Safety after the Labor Day Weekend.
 - o Kim Roueché, Director of Occupational Safety and Industrial Hygiene, reminded workers to use the correct personal protective equipment and to think about why they work safely.
 - o Mike Swartz, Vice President of the PFP Closure Project, shared information regarding technology being used to map contamination at PFP.
- A safety Stand-down was held to help all CHPRC refocus on safety after the Labor Day Weekend. Previous injuries, the proper use of Personal Protection Equipment (PPE), and looking out for each other were discussed.
- The September Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:
 - o A Vice President was recognized for being attentive and noticing a fellow employee had a dangerously low tire, which prevented a potentially serious incident.

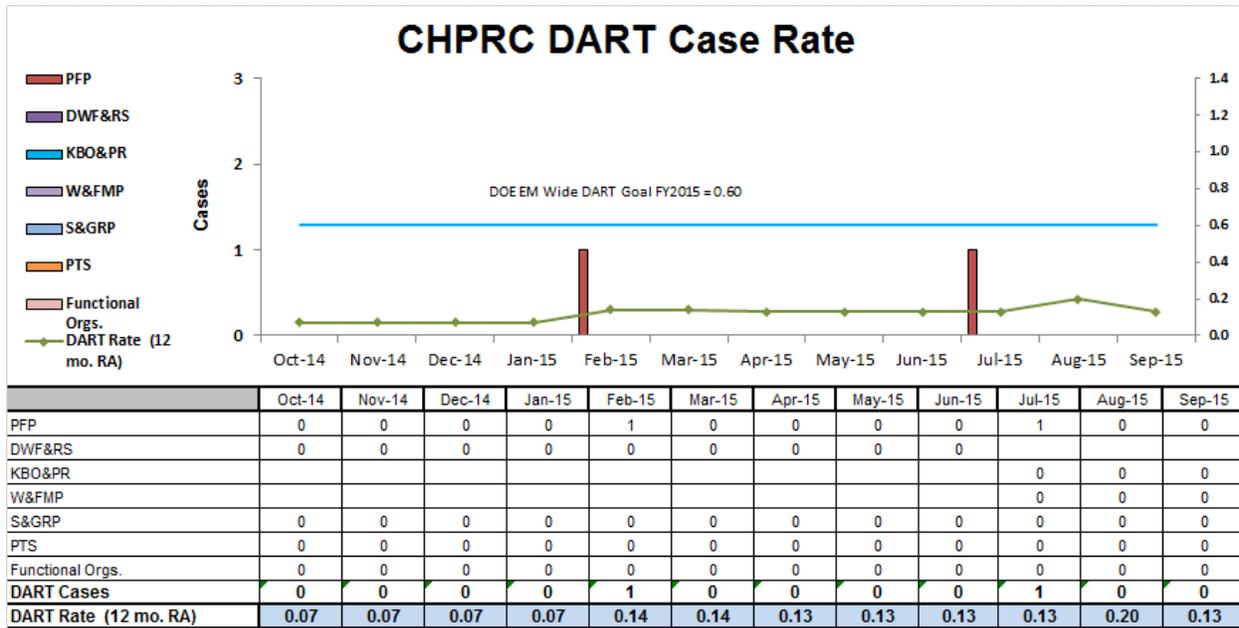
- o Voluntary Protection Program (VPP) essay writer winners were recognized for telling how safety and VPP has affected their lives.
- o A Nuclear Chemical Operator who helped ensure the safety of his coworkers while they were performing elevated work.
- o A Safety Specialist from the S&GRP was recognized for identifying a suspected counterfeit item at a drilling site and removing it from service.

TARGET ZERO PERFORMANCE

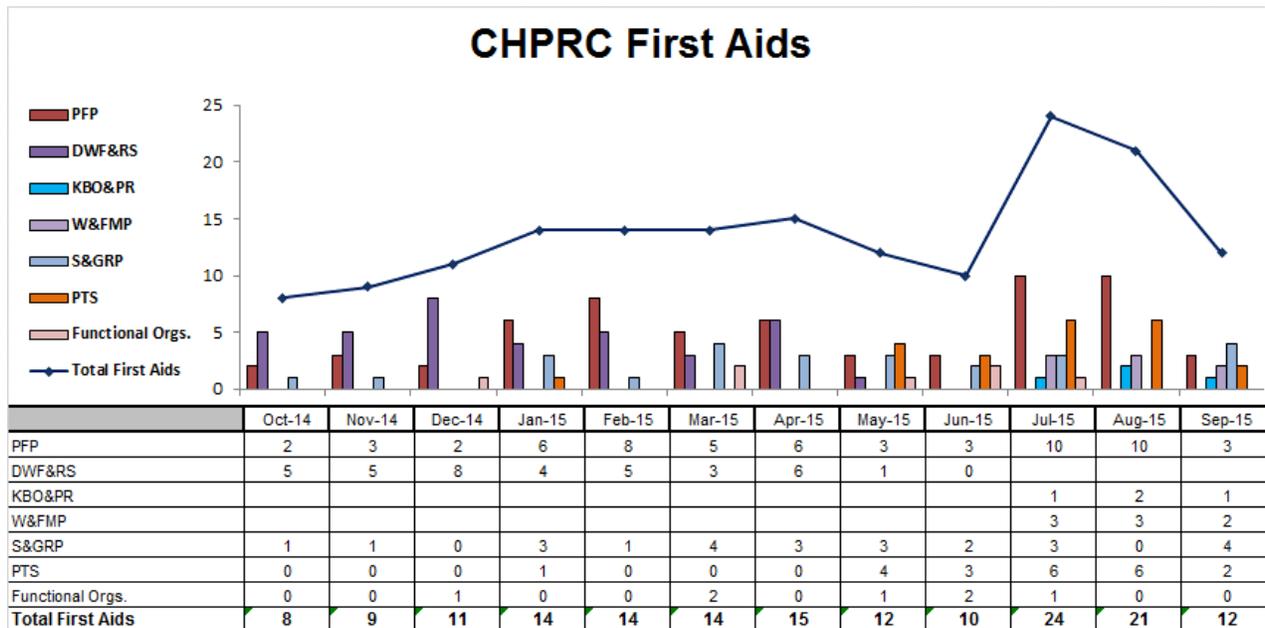
CHPRC continued focusing on integrating and implementing safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate: The 12-month rolling average TRC rate of 0.72 is based on a total of 11 Recordable injuries. There were no Recordable cases for September. There are no cases currently being evaluated or investigated for potential recordability.



Days Away, Restricted or Transferred (DART) Workdays Case Rate: The 12-month rolling average DART rate of 0.13 is based upon a total of two Days Away cases. There were no DART cases in September.



First Aid Case Summary: CHPRC reported 12 first aid cases in September; of these, two cases required no treatment. There were four self-treated injuries. The contributors were five sprains/strains/pains, four abrasions/contusions, one insect bite/sting, one cuts/lacerations and one foreign body in the eye.

KEY ACCOMPLISHMENTS

Projects

- Refer to Sections A through G of this report for project specific accomplishments.

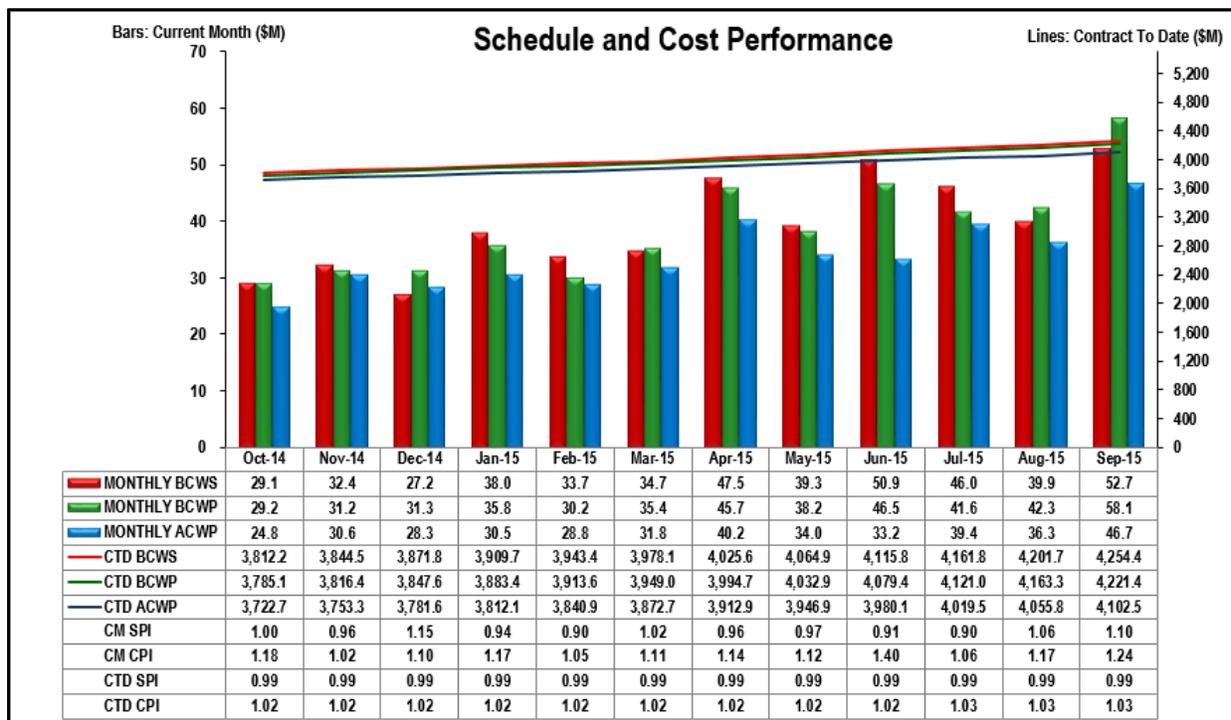
Project Services and Support

- Refer to the Appendix B section of this report for specific Project Services & Support accomplishments.

MAJOR ISSUES

Refer to Sections A through G of this report for the project specific Major Issues.

EARNED VALUE MANAGEMENT



	SM					SM					SM			
	Current Period					Contract to Date					Contract Period			
	Budgeted Cost	Actual Cost	Variance			Budgeted Cost	Actual Cost	Variance			BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - Nuclear Materials Stab & Disp PFP	14.5	17.1	10.1	2.6	7.0	863.5	836.3	842.8	(27.2)	(6.5)	969.8	961.3	8.5	
RL-0012 - SNF Stabilization & Disposition	9.3	9.0	11.6	(0.4)	(2.7)	517.1	515.7	529.9	(1.4)	(14.2)	728.4	758.7	(30.2)	
RL-0013 - Solid Waste Stab & Disposition	9.7	12.1	8.0	2.5	4.2	980.1	983.2	926.8	3.1	56.4	1,321.7	1,241.6	80.1	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	16.4	16.2	14.4	(0.2)	1.8	1154.9	1147.3	1127.4	(7.5)	20.0	1,564.1	1,511.4	52.7	
RL-0040 - Nuc Fac D&D - Remainder	1.7	2.0	1.1	0.3	0.9	402.0	401.9	369.7	(0.1)	32.2	474.4	438.7	35.8	
RL-0041 - Nuc Fac D&D - RC Closure Project	1.0	1.6	1.5	0.6	0.1	316.9	316.9	289.4	0.1	27.5	398.9	368.1	30.8	
RL-0042 - Nuc Fac D&D - FTF Project	0.2	0.2	0.1	0.0	0.1	20.1	20.1	16.5	0.0	3.6	26.7	22.7	4.0	
(Values are rounded to the nearest \$0.1M)	Total	52.7	58.1	46.7	5.4	11.4	4,254.5	4,221.4	4,102.5	(33.0)	119.0	5,484.1	5,302.5	181.6
(Values do not have UB breakout)														

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$181.6 million with \$62.3 million of Management Reserve for a total positive variance of \$243.9 million. For September, the project was 10.2 percent ahead of schedule and 19.7 percent under planned cost. CTD, the project was 0.8 percent behind schedule and 2.8 percent under planned cost.

The current month favorable schedule variance is due in part to RL-0011 working historical 242-Z Control Room, Tank Room, and Mezzanine scope in the current period and recognized efficiencies in performing PRF Canyon NDA/Characterization and Filter Box 19 isolation. RL-0013 schedule recovery for TRU Large Box Shipments to PFNW, as well as the return of a shipment from PFNW that was accelerated from FY2016 to FY2015 to enable completion of the draft Tri-Party Agreement milestone for 280 cubic meters in FY2015. This is partially offset by work in the 234-5Z duct level at PFP lagging as a result of resources being reassigned to work other critical path priority work scope (i.e., PRF, 242-Z, and RMA/RMC glovebox removal).

The current month favorable cost variance is due in part to RL-0011 implementing BCR-011-15-005R0, an RL request to CHPRC to develop and submit revised Capital Asset baseline and documentation to support DOE-HQ approval of RL-0011.C1., removal of 174 Gloveboxes from 234-5Z, Baseline Change Proposal (BCP). The BCP modified the remaining project scope to include activities and cost required to support removal of gloveboxes/hoods from the 234-5Z facility prior to and during demolition. RL-0030 is experiencing efficiencies in the Groundwater Monitoring and Performance Assessment account associated with the use of lower analytical laboratory costs due to the use of offsite laboratories, lower geophysical logging costs during well drilling due to the competitive procurement process, and lower groundwater sample collection costs due to leveraging sampling staff on OHC and special sampling requests (project-specific) this month. This variance is partially offset by RL-0012 accruing for claims for the Annex Facility Construction pending final negotiations and closeout with the Contractor.

FUNDING ANALYSIS

FY2015 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY 2015		Variance
		Total Funding	Total Cost	
RL-0011	Nuclear Materials Stabilization and Disposition	128.5	111.7	16.8
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	88.0	75.0	13.1
RL-0013	Waste and Fuels Management Project	93.2	83.1	10.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	139.2	128.1	11.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	15.8	11.8	4.0
RL-0041	Nuclear Facility D&D, River Corridor	11.5	8.5	3.0
RL-0042	Fast Flux Test Facility Closure	2.2	1.5	0.7
Total Base:		478.4	419.7	58.7

Funds/Variance Analysis

FY2015 expected funding increased in September by \$2.2 million, which includes a \$3.1 million advance of FY2016 funding, offset by reductions in support of Inter-Entity Work Orders and Advanced Technologies and Laboratories International (ATL). FY2015 total cost was reduced by \$6 million due to year-end variance distributions of the overhead pools. The FY2015 uncosted funding balance is \$58.7 million.

BASELINE CHANGE REQUESTS

In September 2015, CHPRC approved and implemented twenty nine (29) BCRs impacting the PMB. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
BCR-011-15-005R0	<i>Incorporate RL-0011.C1 Removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline</i>	This BCR incorporates the RL-0011.C1 Removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline into the PMB. This BCR does not change the PMB value.
BCR-PRC-15-054R0	<i>Incorporate RL-0011.C2 PFP Demolition Capital Asset Project Baseline</i>	This BCR incorporates the RL-0011.C2 PFP Demolition Capital Asset Project Baseline into the PMB. This BCR increased the PMB by \$13,971K.
BCR-012-15-007R0	<i>Sludge Sampling and Nuclear Safety WBS Revisions</i>	This BCR was required to establish CAP 15-D-401, KW Basin Sludge Removal Project, and modifies 4 WBS elements to split them between expense and capital work scope. This BCR does not change the PMB value.
BCR-PRC-15-065R0	<i>Enhanced RCRA Compliance - Additional Records Support</i>	This BCR adds scope to an existing WBS element 013.09.01.06.01 RCRA Compliance to reconcile waste characterization data in IDMS and SWITS and provide accurate labeling information to Operations for container labeling for Retrieval Stored Waste containers and Watch List Containers at CWC. This BCR increased the PMB by \$866K.
BCR-030-15-029R0	<i>Additional MBR Cassettes</i>	This BCR incorporates the work scope associated with the procurement and storage of additional MBR cassettes. RL authorization to proceed and Not to Exceed (NTE) value of \$2.5 million. This BCR increased the PMB by \$927K.
BCR-030-15-030R0	<i>Definitization of CO #268, Decommission 1100-EM-1 Cone Penetrometer and Soil Tubes</i>	This BCR modifies the PMB to incorporate the balance of the work scope associated with the definitization of Change Order (CO) #268 which was documented by Contract Modification (CM) 419. The scope incorporated by this BCR includes: preparation of the decommissioning profile, DOW, DQO; preparation of preliminary hazard classification; field work including removal of gas tubes, cone penetrometer, and concrete forms; and waste disposal. This BCR does not change the PMB value.
BCR-PRC-15-059R0	<i>Reinstate PBS RL-0030 Work from CLIN 7</i>	This BCR is reinstates work from CLIN 7 into the PMB associated with CM 445. This BCR increased the PMB by \$12,263K.
BCR-030-15-031R0	<i>CO #291, 200-IS-1 WIDS Information</i>	This BCR incorporates the CO #291, 200-IS-1 WIDS Information, scope associated with compiling and reviewing existing references related to the 310 200-IS-1 waste sites work scope consistent with the \$2.1 million NTE authorized with the CO. This BCR increased the PMB by \$2,100K.

Change Request #	Title	Summary of Change
BCR-PRC-15-064R0	<i>Increased Planning Capability</i>	This BCR reinstates work from CLIN 7 to the PMB to provide additional planning staff to support planning work, developing work packages, providing engineering and design support, meeting regulatory compliance, and evaluating deferred maintenance impacts associated with CM 445. This BCR increased the PMB by \$975K.
BCR-PRC-15-061R0	<i>Replace Rad Tractors</i>	This BCR reinstates work from CLIN 7 into PMB for the replacement of radiation monitoring and detection vehicles for the survey of large waste sites. This scope of work includes the procurement of additional vehicles, fabrication of radiological detector attachments and installation of the detectors in the vehicles associated with CM 445. This BCR increased the PMB by \$1,053K.
BCR-PRC-15-062R0	<i>Closure activities for 207A S. Retention Basin</i>	This BCR reinstates work from CLIN 7 into the PMB and includes removal of the 207A South Retention Basin and completion of sampling/analysis and closure certification per draft closure plan and associated Temporary Authorization and Time Critical Removal Action associated with CM 445. This BCR increased the PMB by \$830K.
BCR-PRC-15-060R0	<i>Design for REDOX Roof Replacement</i>	This BCR reinstates work from CLIN 7 into the PMB the scope to complete final design for the REDOX Roof replacement associated with CM 445. This BCR increased the PMB by \$240K.
BCR-041-15-016R0	<i>CO #289, Transfer of RCCC Work Scope to PRC - Part 1</i>	This BCR incorporates scope into the PMB associated with the \$1M NTE for the CO #289. A follow-on BCR will be required to incorporate balance of scope associated with NTE value. This BCR increased the PMB by \$320K.
BCR-013-15-015R0	<i>CO #269, WESF K3 Stabilization and Ventilation Project</i>	This BCR incorporates into the PMB work scope associated with the \$2,870K NTE value for CO #269. Scope added to the PMB by this BCR includes support for regulatory and permitting interfaces and Environmental Permitting associated with the start of construction, Nuclear Safety activities through start of construction, initiation of procurement of equipment, award contracts, Project & Construction Management, and Facility Support associated with the start of construction. Field activities include mobilization of contractors, preparation and staging for removal of old ventilation equipment, refurbishment of the K3N ventilation skid and preparations for grout stabilization. This BCR increased the PMB by \$2,870K.
BCR-013-15-018R0	<i>Cs/Sr Extended Storage – Update Acquisition Planning</i>	This BCR incorporates work scope to update acquisition planning from existing planning packages into the PMB as FY2015 and FY2016 work packages and places the balance of work scope and budget into FY2017 planning packages. This BCR does not change the PMB value.
BCR-013-15-017R0	<i>Definitization of CO #273, Accelerate TRU Repackaging</i>	This BCR incorporates the work scope associated with the definitization of CO #273. The scope includes required activities to repackage 9.1m ³ of RH/Large Suspect TRU stored in the Central Waste Complex (CWC). This BCR increased the PMB by \$483K.
BCR-013-15-020R0	<i>CO #274, CWC Box NDA Campaign</i>	This BCR incorporates the work scope associated with the \$100K NTE value authorized with the CO. That scope includes performing NDA of nine (9) large waste boxes at the CWC. This BCR increased the PMB by \$100K.

Change Request #	Title	Summary of Change
BCR-013-15-022R0	<i>CO #276, Additional WESF Occupancy</i>	This BCR incorporates the work scope associated with the \$250K NTE value associated with the CO. The scope added by this BCR prepares work package planning, preparation, review and approval documents, partial upgrades to existing trailer, and relocation of existing change trailer. This BCR increased the PMB by \$250K.
BCR-013-15-019R0	<i>CO #279 SWITS Bar Code Reader</i>	This BCR incorporates into the PMB the work scope associated with the \$200K NTE value authorized with the CO. Specific activities addressed by this BCR included: Determining the capabilities of available bar code reader hardware models capable of reading SWITS bar codes, field test preferred model, and order 50 percent of Bar Code Readers and required accessories (chargers, cables, etc.). This BCR increased the PMB by \$181K.
BCR-013-15-021R0	<i>CO #280, CWC Emergency Lighting</i>	This BCR incorporates the work scope associated with the \$300K NTE value authorized with the CO. The scope added by this BCR includes procurement of materials (lights and emergency power supply) in four CWC buildings (2403-Series). This BCR increased the PMB by \$300K.
BCR-PRC-015-058R0	<i>Integrated Disposal Facility (IDF) - Prepare DSA and Update RCRA Part B Permit</i>	This BCR reinstates work scope from CLIN 7 into the PMB for the preparation of the DSA and updated RCRA Part B Permit for the IDF up to \$500K associated with CM 445. This BCR increased the PMB by \$767K.
BCR-PRC-15-063R0	<i>Alternatives Analysis Study for TRU/Mixed Waste Disposition Additional Capabilities</i>	This BCR reinstates work scope from CLIN 7 into the PMB for the Alternatives Analysis Study for TRU/Mixed Waste Disposition Additional Capabilities associated with CM 445. This BCR increased the PMB by \$1,310K.
BCR-PRC-15-055R0	<i>200W Pump & Treat Facility Maintenance Realized Risk</i>	This Baseline Change Request (BCR) draws down ~\$900K of MR to incorporate scope related to the design, build, and installation of tank safety platforms for the following tanks: FT-Y41A (FBRA), CT-Y41A (Carbon Separator A), FT-Y41B (FBRB), and CT-Y41B (Carbon Separator B); and enhanced handrails for the following tanks: ASHT-Y71A, ASHT-Y71B, ASHT-Y71C, ACHT-Y95A, ACHT-Y95B, and ACHT-Y95C at the 200 West Pump and Treat Facility to mitigate a realized risk associated with the maintenance and operation of the facility (Risk # SGW-041, Pump and Treat System Reliability). This BCR increased the PMB by \$936K.
BCR-PRC-15-067R0	<i>Move Balance of FY2015 Management Reserve to FY2016</i>	This BCR moves unused FY2015 Management Reserve into FY2016. This BCR does not change the PMB value.
BCR-041-15-017R0	<i>Move PBS RL-0041 Management Reserve to FY2016</i>	This BCR moves unused FY2015 Management Reserve in PBS RL-0041 into FY2016. This BCR does not change the PMB value.

The Allocated (Distributed) Budget increased by \$32,200K.

Undistributed Budget Activity

BCR Number	Title	Fiscal Year	UB
BCR-PRC-15-069R0	<i>Changes to Undistributed Budget for Contract Modification 445</i>	2015 - 2018	\$2,096K
BCR-PRC-15-056R0	<i>Undistributed Budget Adjustments September 2015</i>	2015 - 2018	\$1,871K
BCR-041-15-018R0	<i>PBS RL-0041 Undistributed Budget Adjustments - September 2015</i>	2015 - 2018	\$320K

The Undistributed budget decreased by \$4,287K for an overall increase to the Performance Measurement Baseline of \$ 36,487K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-PRC-15-067R0	<i>Move Balance of FY2015 Management Reserve to FY2016</i>	2015 - 2018	NA
BCR-041-15-017R0	<i>Move PBS RL-0041 Management Reserve to FY2016</i>	2015 - 2018	NA
BCR-PRC-15-055R0	<i>200W Pump & Treat Facility Maintenance Realized Risk</i>	2015 - 2018	\$936K
BCR-PRC-15-054R0	<i>Incorporate RL-0011.C2 PFP Demolition Capital Asset Project Baseline</i>	2015 - 2018	\$13,971K

Overall, there was a decrease of \$14,907K to Management Reserve during September.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCRA-PRC-070R0	<i>Fee Reconciliation</i>	2014 - 2018	\$3,404K

Overall, there was an increase of \$3,404K to Fee during September.

See the Format 3 Report in Appendix A for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The PMB values of change requests are summarized by fiscal year in the tables below (dollars in thousands):

September 2015 Summary of Changes

	FY 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
August 2015 Estimate									
PMB	3,391,477	391,653	466,396	440,712	358,156	399,204	2,056,122	5,447,598	5,447,598
MR	0	0	5,391	20,639	20,506	30,650	77,185	77,185	77,185
Fee	155,504	14,325	14,501	19,800	8,800	16,573	73,999	229,503	229,503
Total	3,546,981	405,978	486,288	481,151	387,462	446,426	2,207,305	5,754,286	5,754,286
September 2015 Change									
PMB									
Change to PMB	0	0	4,927	-4,372	31,143	4,789	36,487	36,487	36,487
MR									
Change to MR	0	0	-5,391	2,548	-6,522	-5,543	-14,907	-14,907	-14,907
Fee									
Change to Fee	0	0	0	1,492	663	1,249	3,404	3,404	3,404
Total Change	0	0	-464	-332	25,285	496	24,984	24,984	24,984
September 2015 Estimate									
PMB	3,391,477	391,653	471,323	436,340	389,299	403,993	2,092,608	5,484,085	5,484,085
MR	0	0	0	23,187	13,984	25,107	62,278	62,278	62,278
Fee	155,504	14,325	14,501	21,292	9,463	17,822	77,403	232,907	232,907
Total	3,546,981	405,978	485,824	480,819	412,747	446,922	2,232,290	5,779,270	5,779,270

Changes to/Utilization of Management Reserve in September 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
August 2015 MR Totals								
RL-0011	0	0	0	8,000	8,000	0	16,000	16,000
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,112	1,639	800	6,824	10,375	10,375
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	646	3,450	2,800	7,000	13,896	13,896
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	5,391	20,639	20,506	30,650	77,185	77,185
September 2015 MR Changes/Utilization								
RL-0011	0	0	0	-707	-4,200	0	-4,907	-4,907
RL-0012	0	0	-2,000	2,000	0	0	0	0
RL-0013	0	0	-1,112	1,112	0	0	0	0
RL-0030	0	0	-832	-103	-1,522	-2,282	-4,740	-4,740
RL-0040	0	0	-700	-500	-800	-3,260	-5,260	-5,260
RL-0041	0	0	-646	646	0	0	0	0
RL-0042	0	0	-100	100	0	0	0	0
Total	0	0	-5,391	2,548	-6,522	-5,543	-14,907	-14,907
September 2015 MR Totals								
RL-0011	0	0	0	7,293	3,800	0	11,093	11,093
RL-0012	0	0	0	5,000	5,000	3,897	13,897	13,897
RL-0013	0	0	0	2,751	800	6,824	10,375	10,375
RL-0030	0	0	0	2,897	484	6,546	9,926	9,926
RL-0040	0	0	0	1,000	1,000	740	2,740	2,740
RL-0041	0	0	0	4,096	2,800	7,000	13,896	13,896
RL-0042	0	0	0	150	100	100	350	350
Total	0	0	0	23,187	13,984	25,107	62,278	62,278

SELF-PERFORMED WORK

Business structure information documents ongoing compliance with the requirements of the Contract Section H.20 clause entitled *Self-Performed Work*.

Contract-to-Date Actual Awards & Mods				Projection to FY18	
10/1/2008 -9/30/2015				Planned Subcontracting:	\$2,406,850,560
Reporting Category				Contract-to-date awards:	\$2,275,776,772
				Bal remaining to award:	\$131,073,788
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,179,947,441	51.85%	49.3%	\$1,186,577,326	\$6,629,885
SDB	\$202,974,779	8.92%	8.2%	\$197,361,746	-\$5,613,033
SWOB	\$234,833,208	10.32%	7.5%	\$180,513,792	-\$54,319,416
HUB	\$44,170,430	1.94%	2.2%	\$52,950,712	\$8,780,282
VOSB	\$148,382,934	6.52%	3.5%	\$84,239,770	-\$64,143,164
SDVO	\$76,886,803	3.38%	1.3%	\$31,289,057	-\$45,597,746
NAB	\$34,318,343	1.51%	N/A		
Large	\$606,648,455	26.66%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,235,818	0.10%	N/A		
GOVT CONT	\$482,866,522	21.22%	N/A	Total Contract (mod 421):	\$5,732,255,464
EDUCATION	\$102,079	0.00%	N/A	17% rqmt:	\$974,483,429
NONPROFIT_	\$3,640,469	0.16%	N/A	SB actual:	\$1,179,947,441
FOREIGN	\$335,988	0.01%	N/A	Bal to rqmt	-\$205,464,012
Total	\$2,275,776,772	100.00%	N/A		

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.27 billion in goods and services with over 51 percent going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93 percent of the total dollars arise from service and staffing contracts and contract amendments with five percent of the remaining expenditures arising from P-Card purchases and the balance in purchase orders for materials and equipment.
3. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	Project	GFS/I	Status
CONTRACT			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the Carlsbad Field Office.	Ongoing

Section A

Nuclear Materials Stabilization and Disposition of PFP (RL-0011)



J. M. Swartz
Vice President for
PFP Closure Project

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Plutonium Finishing Plant (PFP) Closure Project continues to maintain PFP facilities compliant with authorization agreement requirements.

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	-	228 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	770	22,366 feet
Process Vacuum Piping Dispositioned	94	3,480 feet
Process Transfer Line Dispositioned	47	1,266 feet
Pencil Tank Units Removed (Shipped)	-	196 pencil tank units
Buildings Ready for Demo	-	43 structures
Buildings Demolished or Removed	-	43 structures
Non-radioactive Waste Shipped	-	72 m ³
TRU/TRU-M Shipped	74 m ³	1,904 m ³
LLW/MLLW Shipped	101 m ³	6,630 m ³

The removal of plutonium-contaminated process equipment continued with a particular focus on removing gloveboxes, associated piping, and ductwork. The total number of gloveboxes removed to date is at 98 percent complete.

- Continued with the Implementation Verification Review (IVR) for HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Revision 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Revision 12.
- Completed removal of the 242-Z Mezzanine E4 Exhaust Duct.
- Performed 242-Z pipe removals to allow entry into Tank Room mezzanine.
- Continued 242-Z removal of tank room wall (~40 feet) and pipe interferences.
- Dispositioned final Standard Waste Box (SWB) container with the 242-Z WT-2 glovebox.
- Continued 236-Z PRF Canyon waste debris clean-up, packaging, and load-outs.
- Continued PRF Gallery Glovebox isolations.
- Completed Filter Box FB-19 removal from PRF.
- Removed 770 feet of asbestos.
- Removed 356 feet of E-4 ducting from 234-5Z Duct Level.
- Removed two filter boxes from 234-5Z E-4 Ventilation – (26 of 38 complete to date).
- Prepared room and area for size reduction of Glovebox HA-9A.
- Continued developing and initiated Fire Hazard Analysis (FHA) revision in support of Documented Safety Analysis (DSA) Revision 13.

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions	Due Date	Status
15-EMS-PFP-OB1-T1	Reduce/eliminate potential contaminated effluents (air and liquid) from PFP complex	1. Remove material at risk to reduce potential air emissions. 2. Reduce/eliminate contaminated liquid effluents.	1. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of January 2015	02/16/15	100% Completed 2/3/15
			2. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of August 2015	09/15/15	100% Completed 9/2/15
			3. Eliminate contaminated waste water streams and shut down 243-Z treatment facility (includes 296-Z-15 stack)	09/30/15	100% Completed 7/30/15

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	3	61	<ul style="list-style-type: none"> 9/16/15 - Employee was using a 27 pound shearer to cut a one half foot pipe while wearing Level B supplied air suit. The individual was on a ladder and while reaching overhead, reported that he thought his harness was too tight and binding and then began to experience right neck strain/sprain. Employee returned to work with no restriction. (23814) 9/17/15 - Employee was descending stairs when she lost her footing and fell. The employee's left ankle was sore due to the fall. Returned to work with no restriction. (23816) 9/17/15 - Employee moved a hose rack to access a storage cabinet, turned to walk away and tripped. Employee fell to the floor and landed on left knee. Returned to work no restriction. (23815)
Near Misses	0	4	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Continued with the IVR for HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Revision 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Revision 12.
- Continued developing and initiated FHA revision in support of DSA Revision 13.

11.05 Disposition PFP Facility

234-5Z

- RMA Line:
 - Prepared room and area for size reduction of Glovebox HA-9A.

242-Z

- Completed removal of the 242-Z Mezzanine E4 Exhaust Duct.
- Performed 242-Z pipe removals to allow entry into Tank Room mezzanine.
- Continued 242-Z removal of tank room wall (~40 feet) and pipe interferences.

234-5Z

- Duct Level:
 - Removed 770 feet of asbestos.
 - Removed 356 feet of E-4 ducting from 234-5Z Duct Level.
 - Removed two filter boxes from 234-5Z E4 Ventilation (26 of 38 Complete).
 - Removed 47 feet of process transfer lines.

236-Z PRF

- Canyon:
 - Continued Canyon waste debris clean-up, packaging, and load-outs.
- Gallery Gloveboxes:
 - Continued 236-Z PRF Gallery Glovebox isolations.
- Bulk Area Clean-Out:
 - Completed Filter Box FB-19 removal.

MAJOR ISSUES

Issue – The existing Documented Safety Analysis (DSA) does not address physical demolition of PFP facilities or leaving high hold-up items in-place for targeted excision during the demolition phase.

Corrective Action – Assemble a team of nuclear safety professionals to develop step out conditions and criteria for the existing facility safety systems. Effort will culminate in a revision to the PFP DSA for the final deactivation and demolition phases of the mission.

Status – The DSA/TSR Revision 12 was approved by RL on May 4, 2015. The implementation plan has been approved, affected documents are being modified, and training is being performed. Implementation has been delayed to align with completion of the in-situ size reduction efforts being performed on the HA-9A and HC-9B Gloveboxes in 234-5Z. Implementation is now scheduled for the end of November 2015.

Issue – Removal of hazardous material will be coordinated using a regulatory compliant graded approach, to avoid cost and schedule impacts associated with complete removal of materials such as brass, electrical components, and lead based paint residues.

Corrective Action – Coordinate with Maintenance and Waste Integration to establish mass balance calculations for various hazardous materials, demonstrating how much hazardous material may remain with building rubble and still meet Environmental Restoration Disposal Facility (ERDF) waste acceptance criteria.

Status – PFP is continuing to work with Maintenance and Waste Integration to establish mass balance calculations. Calculations were completed this month using CHPRC-0560, *Plutonium Finishing Plant Rubble Calculations*, demonstrating that residual hazardous constituents are not expected to pose any significant cost and schedule impacts. Minor segregation and packaging of specific material (i.e. large diameter fire suppression lines) may be necessary during demolition phases. More detailed mass balance calculations for the individual demolition areas will be completed by October 30, 2015 with the final reports being issued by the end of November.

Issue – PRF Canyon floor scrapings, from Pan J and staged in a collection tray on the Canyon floor expanded. A clear and unanticipated chemical reaction was occurring within the material. A previously noted hard substance was observed within the loose debris on Pan J. This hard substance was originally thought to be concrete (congealed, spalled wall fines) but upon further review was believed to be a plasticized material, which was not unexpected.

Corrective Action – PFP will perform 100 percent visual inspection of all waste drums that contain PRF canyon waste. In addition, all Pan J waste packages will be retrieved and placed into the PRF Canyon after which waste will be unpackaged from the bags and cartons to meet combustible controls limitations. This work will be performed in the PRF Canyon.

Status – A meeting was held with facility subject matter experts (SMEs) and members of the PRF canyon work crew to discuss present status and recovery actions following the identification of a chemical reaction associated with the canyon floor pan wastes. Discussion was held to determine the extent of condition, recovery plan, and path forward to allow continued packaging of the canyon floor pan waste.

Issue - PFP Safeguards posture/requirements – PFP management team was contacted on October 6th by the MSA Safeguards POC informed that there was an immediate need to reduce the physical inventory of specific nuclear materials staged in the PFP Waste Storage Area due to a safeguards requirement (not known to PFP team nor specified in the PFP procedures, contracts or other safety basis requirements).

Corrective Actions - Immediate actions were developed working with Safeguards, the PFP MBA custodian and PFP Waste Operations which resulted in the immediate movement of a total of 4 drums to other approved waste storage areas to satisfy the immediate Safeguards request/requirement.

Subsequent direction attained from working with Safeguards revealed a new interpretation that inventory limits on certain types of nuclear materials applied to the PFP Complex as a whole and not to individual storage areas. The facility generated a standing order to ensure compliance with the new control; however, issuance of the standing order has restricted and/or curtailed several critical work evolutions at PFP resulting in schedule and resource impacts. Additional unplanned impacts resulting from these controls has resulted in the need for expedited characterization and shipping of backlog of waste from PFP prior to reauthorizing performance of critical work scope at PFP. Shipping schedule has been

expedited and characterization of waste has been accelerated in an effort to substantially reduce the safeguards inventory and comply with the newly promulgated requirements. An additional waste storage area is actively being pursued with RL as an interim solution to mitigate the impacts of this new safeguards requirement/limitation.

Status - An extensive number of meetings were held with Safeguards and Security and the PFP teams in order to understand the source, subtleties and implications of the newly identified requirement. Standing Order Instructions (SOI) have been issued and will continue to be revised and adapted as requirements are further clarified. Characterization and shipping has been accelerated to enable an accelerated de-inventory of the waste to meet the newly imposed requirements (including accelerated resolution of PRF Canyon Floor Waste). Establishment of a new PFP waste storage location is being actively worked.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
-  No Change
-  Decreased Confidence

Risk Title	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-0011/WBS-011						
Explanation of major changes to the project monthly spotlight chart:						
In the month of September RL-0011 incorporated RL-0011.C1, and RL-0011.C2 Capital Asset Projects. Risk spotlight chart was revised to reflect implementation of these projects.						
Realized Risks (Risks that are currently impacting project cost/schedule)						
No realized risks identified for RL-0011 in the month of September.						
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)						
PFP-092: Increased Characterization	Source term uncertainties increase the need for characterization above what is planned for cost and schedule, resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5 million, 45 days			Risk Trigger: Will continue throughout project lifecycle until Demolition activities commence.		
				Mitigation action(s)	FC Date	%
				Identify characterization coordinator to perform field characterization/sampling.	Complete	100
				Develop characterization strategy to lessen the unexpected identification of unknowns (i.e., beryllium, asbestos, radiological and vapors).	Complete	100
				Develop process for rapid integration of actions resulting from characterization results into planned field work activities.	10/15/15	50
Mitigation Assessment: On track to update FES by October 15, 2015. Overall mitigation slip has no impacts to the project schedule or cost. No alternative course of actions needed at this time.						

Risk Title	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
RL-0011/WBS-011																			
FY2016 Risk Triggers (Risk could be realized in FY2016)																			
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Air Dispersion identified additional MAR reduction higher than planned or RL directs constrains from Revision 12 SER, resulting in additional decontamination/fixatives and equipment removal prior to initiating open-air demolition resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 120 days *Cost increase will result in cost per day impacts from crews, and hotel load.	●	↔	Risk Trigger: 07/06/2015 <table border="1" style="width: 100%;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with the CHPRC environmental to communicate bounding assumptions for air modeling.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with modelers to identify controls to allow for equipment removal and demolition as planned.</td> <td>10/15/15</td> <td>75</td> </tr> <tr> <td>Develop and implement plans to document criterion are met.</td> <td>10/15/15</td> <td>50</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100	Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100	Work with modelers to identify controls to allow for equipment removal and demolition as planned.	10/15/15	75	Develop and implement plans to document criterion are met.	10/15/15	50
				Mitigation action(s)	FC Date	%													
Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100																	
Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100																	
Work with modelers to identify controls to allow for equipment removal and demolition as planned.	10/15/15	75																	
Develop and implement plans to document criterion are met.	10/15/15	50																	
Mitigation Assessment: In the month of September, the project began re-assay of the PRF Gallery Gloveboxes and met with air dispersion modelers regarding preliminary results, which appear favorable for open-air demolition as planned. The PRF appears to be the only area that will challenge intended demolition boundaries and planned activities to decontaminate Gallery Gloveboxes and the Canyon walls (post debris removal and floor grouting) and should achieve requisite levels. No alternative course of actions needed at this time.																			
PFP-291-01 - 291-Z Characterization Unknowns	Characterization data will uncover higher levels of contamination than expected in the stack and 291-Z plenum to support demolition, resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1 million, 88 days	●	↔	Risk Trigger: 07/09/16 <table border="1" style="width: 100%;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify characterization team to obtain characterization data for 291-Z.</td> <td>01/07/16</td> <td>0</td> </tr> <tr> <td>In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.</td> <td>04/04/16</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Identify characterization team to obtain characterization data for 291-Z.	01/07/16	0	In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0						
				Mitigation action(s)	FC Date	%													
Identify characterization team to obtain characterization data for 291-Z.	01/07/16	0																	
In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0																	
Mitigation Assessment: No changes in the month of September. No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored to obtain characterization data early in the project. No alternative course of actions needed at this time.																			
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																			
FY2016 Risk Triggers (Risk could be realized in FY2016)																			
PFP-PRF-22: OPP: NDA Process Allows for Section Results to be used	Improved NDA process allows for disposition of Gallery Gloveboxes into waste containers by using section data rather than summation of entire glovebox, resulting in schedule efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$0, 60 days *Cost savings will result in cost per day from crews, and hotel load.	●	↔	Risk Trigger: 10/05/2015 <table border="1" style="width: 100%;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify activities necessary to implement in the FES</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete FES activities (last FES activity PRF-GGB-0120)</td> <td>05/11/16</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Identify activities necessary to implement in the FES	Complete	100	Complete FES activities (last FES activity PRF-GGB-0120)	05/11/16	0						
				Mitigation action(s)	FC Date	%													
Identify activities necessary to implement in the FES	Complete	100																	
Complete FES activities (last FES activity PRF-GGB-0120)	05/11/16	0																	
Mitigation Assessment: No changes in the month of September. No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored throughout the Gallery Glovebox subproject lifecycle. No alternative course of actions needed at this time.																			
Unassigned Risks (Pending ownership of identified risks/opportunities)																			
No unassigned risks identified for RL-0011 in the month of September.																			

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	14.5	17.1	10.1	2.6	17.8%	7.0	41.1%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (+\$2.6M/+17.8%)

The current month positive schedule variance is the result of working historical 242-Z Control Room, Tank Room, and Mezzanine scope in the current period and recognized efficiencies in performing PRF Canyon NDA/Characterization and Filter Box 19 isolation. This is partially offset by work in the 234-5Z duct level lagging as a result of resources being reassigned to work other critical path priority work scope (i.e., PRF, 242-Z, and RMA/RMC glovebox removal).

CM Cost Variance: (+\$7.0M/+41.1%)

The current month positive cost variance is attributed to implementing BCR 011-15-005R0 "Incorporate RL-0011.C1 removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline". RL: 15-AMRP-0061, Direction to Develop Baseline Change Proposal (BCP) Supporting Documentation for RL-0011.C1, PFP Decontamination and Dismantlement Capital Asset Project (CAP) and the Demolition CAP, dated February 3, 2015 requested CHPRC to develop and submit revised Capital Asset baseline and documentation to support DOE-HQ approval of an RL-0011.C1 Removal of 174 Glove Boxes from 234-5Z, Baseline Change Proposal (BCP). Specifically, the BCP modified the remaining project scope to include activities and cost required to support removal of gloveboxes/hoods from the 234-5Z facility and complete work as defined in the RL-0011 Project Execution Plan (PEP), Revision 1 dated September 2009. On September 4, 2015, CHPRC received direction from the RL Contracting Officer's Representative, Correspondence #1504116, to implement the revised RL-0011.C1 CAP baseline into the CHPRC PMB. This BCR implemented this direction by modifying baseline planning for removal of gloveboxes in 234-5Z prior to and during demolition (HC-7C, HA-7A, 166 Hood, HC-4, HC-6, 145-1, HC-227S, HC-227T, 159-1/2 Hoods, HA-46, 3 RADTU (300B, 200, 100B) Gloveboxes) to move this work from WBS 011.05.C2.-06.02, C-D&D 2345Z Proc Vac, Drn, Trns & Misc Equip Rem, to the capital asset WBS 011.05.01.01.06.09, 234-5Z Capital Asset Glovebox Removal.

In addition, in order to comply with direction to align with the RL-0011 Project Execution Plan, Revision 1, provided by RL: 15-AMRP-0061 dated February 3, 2015, work associated with Backside Rooms (expense WBS 011.05.01.01.02, Transition 234-5Z Labs - PPSL / Stds / A Lab; 011.05.C2.02.01, C-D&D 234-5Z Labs Project Management, and 011.05.C2.02.02, C-Transition 234-5Z Labs - Backside Room) was moved by this BCR into two new capital asset WBS elements 011.05.01.01.06.10, "234-5Z Backside Rooms Project Management (Cap), and 011.05.01.01.06.11, "234-5Z Backside Rooms D&D (Capital). This results in a point adjustment for historical BCWS and BCWP with no re-estimation of remaining work scope. The overall scope of the PFP Closure Project was not changed by this BCR.

Contract-to-Date

(\$M)

WBS 011/ RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	863.5	836.3	842.8	(27.2)	-3.2%	(6.5)	-0.8%	969.8	961.1	8.5

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Variance (-\$27.2M/-3.2%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$6.5M/-0.8%)

The Cost Variance is within reporting thresholds.

Variance at Completion (\$8.5M/0.9%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.5	111.7	16.8

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

FY2015 expected funding for Project Baseline Structure (PBS) RL-0011 of \$128.5 million remained constant for September. The Spend Forecast decreased slightly from the prior month to \$111.7 million.

Critical Path Schedule

Following adjustments to the PRF Canyon characterization schedule, the new PFP Critical Schedule Path flows through the 234-5Z Duct level E4 ducting and filter box removal, then to the final focused decontamination throughout 234-5Z. This leads into 234-5Z Cold & Dark and Ready for Demo, allowing demolition of 234-5Z and attached facilities to commence. Once complete, the final step is stabilization of the PFP site leading to completion of the final Tri-Party Agreement milestone – M-083-00A - PFP Facility Transition and Selection Disposition Activities.

Baseline Change Requests

BCR-011-15-005R0, *Incorporate RL-0011.C1 Removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline*

BCR-PRC-15-054R0, *Incorporate RL-0011.C2 PFP Demolition Capital Asset Project Baseline*

BCR-PRC-15-056R0, *Undistributed Budget Adjustments September 2015*

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a two year look ahead of commitments and Tri-Party Agreement enforceable milestones.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Significant Progress on Deactivation & Removal of 208 GB's and Disposal of all 236-Z Pencil Tanks	09/30/15		9/30/15	Complete
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		12/13/16	Stop works associated with Premaire breathing air suits/hoses in support of in-situ size reduction efforts caused the Tri-Party Agreement milestone date to slip. As the PFP Project continues to make progress on the behind schedule critical path work scope being performed it is anticipated that efficiencies will be recognized to bring the schedule into alignment with a completion date of September 30, 2016. However, this Tri-Party Agreement completion is currently at risk of meeting the September 30, 2016 commitment date.

SELF-PERFORMED WORK

The Section H.20 clause, entitled "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



R. M. Geimer
Vice President for
K Basin Operations and
Plateau Remediation
(KBO&PR)

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition, supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex construction activities and continued debris dose rating and relocation activities in 105KW Basin.
- The ECRTS technical team continued activities that re-establish the design configuration consistent with the RL approved safety basis. Continued development of the integrated DSA combining the ECRTS Preliminary Document Safety Analysis (PDSA) and the 105KW Basin FSAR into a single safety basis document.
- The ECRTS Project continued to process additional procurement packages.
- Continued testing activities at the Maintenance and Storage Facility (MASF) and prepared for cold commissioning. Continued work on developing and approving test specifications. Reconfigured system to as-delivered status in preparation for Operations personnel Group 2 training/familiarization.
- Annex Construction continued working remaining punch list items.
- Establishment of STP as a CAP continued. Completed DOE HQ EM-53 Project Peer Review and awaiting final comments. Initiated the development of a BCR to implement the CAP baseline for October reporting.

EMS OBJECTIVES AND TARGET STATUS

None at this time.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	23	<ul style="list-style-type: none"> • 9/15/2015 - While egressing the cask trailer using a rolling ladder, employee felt a pop in right shoulder. (23813)
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement completed FY2015 Performance Measure PM-12-04 – ECRTS Buyback Procurement Set 3. Completed fabrication of Transfer Line Service Box (TLSB) Lift Fixture, XAGO Pump Skid, and Ingress/Egress Assembly. Delivered the Overfill/Retrieval Water Pump Skid, Decant Pump Boxes and Sand Filter Skids to MASF. The three XAGO Retrieval Tools were formally accepted through Acquisition Verification Services (AVS) and delivered to MASF. Completed seismic testing of PNL-103 and ECRT-JB-109A/109B at accredited laboratory.

- Annex Construction completed FY2015 Performance Measure PM-12-06 – Annex Construction Part B. Completed outstanding punch list close out with the metal panel contractor and sprinkler piping replacement and backflow preventer hotbox work. Power was brought into the facility from the Main Service Disconnect.
- Revision 2 of the PDSA, along with a revision to the Safety Design Strategy (SDS), was submitted to RL for approval.
- The T Plant sludge storage equipment fabrication Request for Proposal (RFP) went out for bid. The bids were received and are being evaluated for award.
- 105KW Basin Re-Lidding Construction held a kick-off meeting and quality plan review with the subcontractor and completed walk downs with the subcontractor first line supervision.
- 100K Operations completed Ion Exchange Module (IXM) 4 change-out. The first ECRTS familiarization tour at MASF was performed for KW Operations personnel. The familiarization process is resulting in procedure improvements that can only be realized through practical application. Dose to curie modeling for debris that was relocated for future installation of ECRTS components in the basin was completed.

MAJOR ISSUES

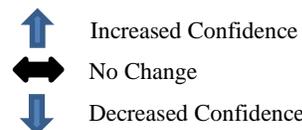
None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



● Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
 ● Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
 ● Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-0012/WBS-012																						
Explanation of major changes to the project monthly stoplight chart: In the month of September RL-0012 closed several Annex construction risks.																						
Realized Risks (Risks that are currently impacting project cost/schedule)																						
STP-134-A: Contract Close-Out, Balance of CAT, & Subcontractor Performance - Annex Construction	Contract closeout administrative cost, scope, and schedule are greater than anticipated extending the project closeout process beyond the planned work scope period requiring additional support and resources to assist in the contract closeout process as a result of late change requests, post contract REA's and change requests resulting, arbitration, post contract claims or legal proceedings. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$6.5 million, 28 days			<p>Risk Event: Change orders to limit eventual claims at the end of the job.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Issued Subcontractor Status Request Matrix</td> <td rowspan="3">05/08/12</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop estimate on the "To Go Costs"</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incurred Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td></td> <td>11/30/15</td> <td>80</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Approximately 25 items remain on Construction punchlist. 8 of 9 Sub-CAT's completed. Fire projection Sub-CAT descope from subcontractor and the Sub-CAT is being rewritten by CHPRC. Post Power up CAT is in progress. Delays have been encountered with mechanical control system (i.e., ATS). Trouble shooting in progress. CHPRC continues to work contract actions. Third party audit complete and results provided to both subcontractor and CHPRC. CHPRC procurement has provided written proposal to subcontractor regarding contract through February 28, 2015. CHPRC is awaiting proposal response from the subcontractor. CHPRC cost proposal from February 28, 2015 to contract completion is under review by CHPRC. No other alternate actions are deemed necessary at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Issued Subcontractor Status Request Matrix	05/08/12	Complete	100	Develop estimate on the "To Go Costs"	Complete	100	Document changes into Phase I or Phase II completion buckets	Complete	100	Incurred Costs have been submitted by Contractor – CHPRC is reviewing.		11/30/15	80
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RL-0012/WBS-012																					
STP-067A: Safety Classification of SSCs	<p>RL requires CHPRC to upgrade the safety classification of systems, structures, and/or components to a safety classification more conservative than the safety analysis dictates resulting in cost impacts, and schedule delays.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Low (10% to 25%)</p> <p>Worst Case Impacts: \$600K, 120 days</p>			<p>Risk Event: A PDSA Safety Evaluation Report (SER) containing three Conditions of Approval (COAs) was transmitted to CHPRC on February 5, 2015, (1500632/15-NSD-0027_RL). RL has requested submittal of a new or revised STSC headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiatives for spray leak methodology/spray leak control and for sludge layering have been approved, which will allow design modifications and related procurements to begin. All design changes will be reviewed through the USQ-Like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Risk recovery action(s)</th> <th style="text-align: left;">Risk Date</th> <th style="text-align: left;">FC Date</th> <th style="text-align: left;">%</th> </tr> </thead> <tbody> <tr> <td>Prepare a Notice of Change to notify RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="4" style="text-align: center;">02/05/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Meet with RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Execute the agreed upon work scope to update the ECRS Design and PDSA.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Resubmit the updated PDSA to RL for approval.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> </tbody> </table> <p>Recovery Action Assessment: No change in the month of September. CHPRC and RL Senior Management met and agreed upon a path forward. Recovery actions listed above are consistent with meeting results from April 6, 2015. Although CHPRC submitted an NOC via CHPRC-1501242, dated March 19, 2015, RL denied a change occurred via 15-AMRP-0142. No alternative course of actions needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Prepare a Notice of Change to notify RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRS Design and PDSA.	Complete	100	Resubmit the updated PDSA to RL for approval.	Complete	100
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RL-0012/WBS-012																		
STP-123-T: Design Maturity - T-Plant	<p>The final Nitrogen System design is pending FHA update. The construction specification is currently in development. In addition, changes resulting from the PDSA impact the design. There is additional risk with bidder interpretation of the facility ECRs. They do not clearly provide the entire scope of the contractor's work and clarifying bid document details are required.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (>90%) Worst Case Impacts: \$200K, 96 days</p>			<p>Risk Event: The risk is being realized based on constructability reviews of the FMPs. The impacts associated with this are the additional cost and resources associated with correcting design errors and providing constructability aids, conducting material take offs, resulting in a lower cost underrun for performing the original design. Schedule impacts eminent due to spec and ECR quality. Actions for re-lidding design near term actions.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Incorporate PTS Comments on Construction Spec.</td> <td rowspan="3" style="text-align: center;">03/03/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Complete PTS Construction Review w/Drawings and Specifications</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW</td> <td style="text-align: center;">10/12/15</td> <td style="text-align: center;">99</td> </tr> </tbody> </table> <p>Recovery Action Assessment: The approved design specification and nitrogen system ECR was released on ~ 8/13. The two-month delay in completing the design media has resulted in an equivalent delay in the completion of bid documents (i.e., SOW, construction aids). To minimize the schedule slip, a 90 percent draft bid document (draft SOW, specification, ECR's and construction aid) was issued to the bidders. The goal was to provide them a package so they could review the design, the associated requirements and formulate any bid questions they may have. A construction pre-bid conference was held on 9/2 to review the bid documents. They were also provided with a 130-page power point presentation that walked them through the entire design and the T-Plant facility (i.e. photo essay) so they could appreciate the challenges and constraints. The SOW review by SME's was completed and approved on 9/8 and a follow up T-Plant subcontractor facility walk down was held on 9/10. Subcontractor bid questions were also submitted on 9/10. Contractor questions have been reviewed and responses prepared. Clarifications, as applicable, were incorporated into the SOW. RFP preparation has been initiated and it is anticipated that the bid package will be issued to the subcontractors NLT 10/13. The goal is to incorporate comments and address questions by NLT 10/12. Alternative course of actions are pending a change in MDSA and TSR revision 11 (HNF-15280) direction from RL. As a result, the released design for the Nitrogen System is now in question and presents a new schedule risk to the project. This change is to be incorporated into the T-Plant Risk list or mitigated in the schedule and cost estimate update that is in progress.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	Complete	100	Complete PTS Construction Review w/Drawings and Specifications	Complete	100	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW	10/12/15	99
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Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
FY2018 Risk Triggers (Risk could be realized in FY2018)																		
STP-018: STP Operational Upset or Spill	<p>An operational upset or spill results in a work shutdown at K Basins, resulting in schedule delays.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 66 days *Cost increase will result in hotel load cost per day.</p>			<p>Risk Trigger: Will commence in FY2018 and continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.</td> <td style="text-align: center;">05/25/17</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.</td> <td style="text-align: center;">05/12/17</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Utilize overtime as needed, or if required, to respond to events</td> <td style="text-align: center;">As needed</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: Forecasted mitigation dates are consistent with overall STP critical path schedule. Changes to the mitigation actions do not result in any impacts to the overall schedule or cost. ECRTS Familiarization training for the NCOs at MASF has started and will continue through December 2015. Training and procedure development is underway as well. OTJ for the operators on MASF equipment will start in FY2017. No foreseeable impacts in the near future and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.	05/25/17	10	Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	05/12/17	0	Utilize overtime as needed, or if required, to respond to events	As needed	N/A		
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RL-0012/WBS-012																						
STP-073: Processing Efficiency - Retrieval & Shipping	The realized processing efficiency associated with sludge retrieval and shipping operations does not match baseline plan. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$2.5 million, 60 days	●	↔	Risk Trigger: Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)																		
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Mitigation Assessment: No changes in the month of September . Operations personnel were given training on the process system equipment and will continue to participate in training activities through production system installation at 100K. No foreseeable impacts in the near future and no alternative course of actions needed at this time.																						
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																						
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Problems with aging building systems/ components (e.g., ventilation systems, water distribution system, CAM's, instrument air system, fire alarm system, and electrical system, etc.) result in inoperability or requires unscheduled maintenance/ outages, impacting planned operations or on-going surveillance and maintenance activities. Risk Handling Strategy: Control Probability: Very Likely (>90%) Worst Case Impacts: \$1 million, 88 days	●	↔	Risk Trigger: Will continue throughout project lifecycle until sludge is removed from 105KW Basin.																		
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Mitigation Assessment: No changes in the month of September . Operations continues to maintain the facilities in an operational status with no foreseeable impacts in the near future, and no alternative course of actions needed at this time.																						
FY2016 Risk Triggers (Risk could be realized in FY2016)																						
STP-111-B: Contractor/ Subcontractor Performance – ECRTS Annex/ In-Basin Equipment Installation	The General Contractor and their supporting subcontractors have historically performed poorly and will be challenged on this project by compliance with project and contract flow down requirements (e.g. quality, nuclear standards, site safety requirements, subcontract management to ensure contract requirements are met, NRTL compliance, suspect counterfeit, Buy-American contract clause, Project Controls requirements, development of Construction Acceptance Testing (CAT), timely processing of submittals compliance with all the subcontract flow down requirements) as well as deployment and maintenance of key staff that are essential to safe, cost effective and on-time project delivery. This risk is further compounded by sequestration and decrement funding. Risk Handling Strategy: Control Probability: Very Likely (>90%) Worst Case Impacts: \$800K, 96 days	●	↔	Risk Trigger: The risk is that the General Contractor will not be able to comply with all contract requirements (e.g. for quality, nuclear standards, site safety requirements, subcontract management, NRTL compliance, suspect counterfeit, Buy-American contract clause, Project Controls requirements, adequately develop the Construction Acceptance Testing [CAT], timely processing of submittals and compliance with all subcontract and contract flow down requirements) and be challenged to deploy or maintain essential project staff.																		
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Mitigation Assessment: Mitigation actions are currently under development for this risk. It is expected that next month risk mitigation actions will be finalized, and forecasted finish dates applied.																						

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in the month of September .				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.3	9.0	11.6	(0.4)	-3.9%	(2.7)	-29.5%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.4M/-3.9%)

The variance is within reporting thresholds.

CM Cost Performance (-\$2.7M/-29.5%)

The current month cost variance is the result of claims for the Annex Facility Construction being accrued pending final negotiations and closeout with the General Contractor.

Contract-to-Date

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	517.1	515.7	529.9	(1.4)	-0.3%	(14.2)	-2.8%	728.4	758.7	(30.2)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (-\$1.4M/-0.3%)

The variance is within reporting thresholds.

CTD Cost Performance (-\$14.2M/-2.8%)

The variance is within reporting thresholds.

Variance at Completion (-\$30.2M/-4.2%)

The EAC has been updated to reflect the latest CAP baseline estimate. This estimate includes the latest design information, incorporates latest experience on construction work and includes risk mitigation activities for remaining work.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	88.0	75.0	13.1

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0012 is \$88.0 million. The spend forecast for the year reduced slightly in the last month as actuals in September were less than planned due to pass-backs, labor forecasts for operations accounts were overstated for the month and material procurements supporting the ECRTS project were delayed.

Critical Path Schedule

The critical path flows through the installation of process equipment, operational acceptance testing of the facility modifications, annex process equipment, readiness activities at the 105KW Facility, the operational readiness review and, finally, containerized sludge retrieval operations. Retrieval operations include the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

Baseline Change Requests

BCR-012-15-007R0, *Sludge Sampling Nuclear Safety WBS Revisions*

BCR-PRC-15-069R0, *Revisions to Undistributed Budget for Contract Modification 445*

BCR-PRC-15-067R0, *Move Balance of FY2015 Management Reserve to FY2016*

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin Sludge Removal from 105KW Fuel Storage Basin.	09/30/2018		09/01/2018	The forecast date of September 1, 2018, does not include approval of CD-4, which is not currently funded in the CHPRC contract.

SELF-PERFORMED WORK

The Section H.20 clause, entitled “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



C. J. Simiele
Vice President for
Waste and Fuels
Management Project
(W&FMP)

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies, but continues to be impacted by emerging work and realized risks. The Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) completed award of construction contracts for ventilation, stabilization, and independent grout testing (2015 Key Performance Goal); in addition, the project transmitted a revised draft closure plan and Part A form to Ecology for comment. Transuranic (TRU) Repackaging Project shipped fiberglass-reinforced plywood (FRP) waste boxes 231Z-DR-1 (64.6 m3) from Central Waste Complex (CWC) to PFNW for processing.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	3*	N/A *1 Recordable case, PTS in support of RL-0013.
First Aid Cases	2	32*	<ul style="list-style-type: none"> 9/2/2015 - Employee pinched finger in stack cabinet when closing cabinet door (23804) 9/21/2015 - Employee's foot landed on edge of a step and slipped to next step, caught the heel causing a twist to right knee. (23819) *8 First Aid Cases, PTS in support of RL-0013.
Near Misses	0	1	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- o The State Environmental Policy Act of 1971 (SEPA) checklist for four additional T Plant Consent agreement/final order (CAFO) units has been submitted to Ecology for review.

13.02 Capsule Storage & Disposition

- o Completed field work for Fuels Facilities DOE Triennial Emergency Preparedness Assessment.
- o Completed 52 preventive maintenance (PM) work packages.
- o Finalized construction completion documents for mobile office installation activities; facilities were turned over to Operations/Landlord services.

a. Capsule Extended Storage Project:

- A Value Analysis Work Shop on the alternatives for the extended storage of the capsules was held on September 29, 2015. The Work Shop identified six potentially viable alternatives along with draft evaluation criteria to aid in select the preferred alternative.

b. WESF Stabilization and Ventilation Project (W-130):

- Transmitted revised draft closure plan and Part A form to Ecology for comment.
- Completed award of construction contracts for ventilation, stabilization, and independent grout testing (2015 Key Performance Goal).
- Completed pre-construction kick off meeting with construction contractor for ventilation and stabilization scopes of work.
- Released Design Change Notice for project drawings to construction.
- Released all eight Facility Modification Plans (FMPs) showing facility drawing changes; transfer of FMPs to construction has been initiated.
- Released all mechanical, electrical, and structural calculations.
- Completed master submittal distribution list for ventilation contract.
- Completed initial engineering inspection of K3N skid spreader, located in MSA rigger laydown yard, to identify work necessary to place the equipment back into service.
- Placed lease with PacMobile for construction trailers.
- Completed labor conferences for Stabilization and Ventilation scopes of work.
- Continued canyon entries for the purpose of canyon decontamination and painting.

13.03 Canister Storage Building (CSB)

- o Completed Multi-Canister Overpack (MCO) H-187 10-Year Sampling.
- o Completed interim storage area (ISA) pad inventories.
- o CSB stack flow rate study: CHPRC Environmental conducted weekly meetings with Pacific Northwest National Laboratory (PNNL). During the month Engineering provided drawings and vendor information on the damper and flow meter geometry in support of PNNL analysis.
- o Completed 39 PM work packages.

13.06 TRU Repackaging

- o Overpacked 19 priority-2 waste drums. This completes all 21 priority-2 drums scheduled for FY2015 overpacking.
- o Shipped FRP 231Z-DR-1 (64.6 m3) from CWC to PFNW for processing.
- o TRUM Waste shipped to PFNW FY2015:
 - CWC Legacy Transuranic mixed (TRUM) Waste (TPA M-091 series) (415.6 m3).
- o TRUM Waste Completed and Returned this fiscal year:
 - FY2015 TPA M-091-47A (CWC legacy TRUM Waste 280m3) (288.4 m3).

a. TRU Projects:

- TRU Waste Assessment - PFNW, PNNL, PFP and Washington Closure Hanford (WCH) reports are completed. Draft Solid Waste Operations Complex report is in review cycle.
- NDA Campaign – FY2015 campaign is complete.
 - Finalized the FY2016 candidate list of ten package identification numbers (PINs).

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Annual Dwyer® process supply fan transmitter 603A & 603B calibrations.
 - o Supported the Hanford Fire Department to complete the semi-annual glovebox dry chemical testing and inspections. All 12 gloveboxes were completed successfully.
 - o Surveillances/PMs:
 - 23 Technical Safety Requirement (TSR) surveillances.
 - 30 PM packages.
 - 104 Radiological surveillances.
 - 44 Operational surveillances.

13.08 T Plant

- Preparation for Sludge Receipt:
 - o Performed canyon entry on September 1, 2015.
 - o Completed canyon emergency light repairs.
 - o Completed tri-annual canyon and tunnel smoke testing.
 - o Completed quarterly Fire Protection Engineer (FPE) combustibile surveillance.
 - o Performed 480 volt distribution panel beryllium sampling.
 - o Inspected 291T stack probe and sample line.
 - o Completed annual:
 - Manual overhead door inspection.
 - Fire door inspection canyon crane-way.
 - Fixed/mobile ladder PM canyon crane-way.
 - Canyon confinement door inspection.
 - Canyon/tunnel emergency light inspections.
- Surveillances/PMs:
 - o 15 TSR surveillances.
 - o 401 Radiological surveillances.
 - o 46 PM packages.
 - o 138 Operational surveillances.

13.09 CWC and Low Level Burial Grounds (LLBG)

- Performed/Completed:
 - o LLBG annual fire surveillance assessment with FPE.
 - o 2402-WI roof repairs.
- **CWC Container Watch List:**
 - o Currently there are zero priority-1 and 21 priority-2 waste drums in storage.
 - o Over packed nine 216-Z-9 waste drums in 2403-WC.
 - o Over packed a total of 50 drums in FY2015.
- Surveillances/PMs:
 - o 3 TSR surveillances.
 - o 43 PM packages.
 - o 246 Radiological surveillances.
 - o 249 Operational surveillances.
 - o Shipments Received:
 - Six SWBs from PFP to CWC on September 1, 2015.
 - Six SWBs from PFP to CWC on September 15, 2015.
 - Six SWBs and 12 waste drums from PFP to CWC on September 17, 2015.
 - Six SWBs from PFP to CWC on September 22, 2015.
 - Six SWBs from PFP to CWC on September 24, 2015.
 - Four waste drums from PFP to CWC on September 29, 2015.
 - One standard large box 2 (SLB2) from PFP to CWC on September 30, 2015.

13.12 Integrated Disposal Facility

- Completed monthly inspections.

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition.

13.21 Mixed Waste Disposal Trenches (MWT)

- Completed:
 - o 25 Radiological surveillances.
 - o 161 Operational surveillances.
- Shipments Received:
 - o Seven waste boxes from PFNW to MWT31 MS-1 on September 1, 2015.

- o Four waste boxes from PFNW to MWT31 (Non-CERCLA waste) on September 10, 2015.
- Offloaded seven waste boxes from MWT31 MS-1 into MWT31 on September 9, 2015.
- Performed six-month leachate tank sampling on Trenches 31 and 34.

MAJOR ISSUES

Issue:

Deteriorating Waste Containers: Retrieved and repackaged containers in storage are showing increased degradation, requiring additional mitigation activities.

Corrective Action:

Significant risk remains. TRU Disposition activities would prepare the contents of these containers in a configuration suitable for eventual disposal at the Waste Isolation Pilot Plant (WIPP). This configuration would also mitigate/eliminate the risk and additional cost for long-term management of these containers.

Status:

Continuing to use the best demonstrated available technology to provide adequate configuration and minimize the potential for contamination spread during the long-term storage (i.e., protecting boxes with tarps or protective shoring and over packing drums). RL has provided additional authorization for \$17 million of TRU Repackaging, which helps to address this issue, and containers are being shipped to commercial repackaging facility. Additional repackaging scope is pending a contract modification (anticipated in October/November 2015).

Issue:

The Canister Storage Building FF-01 license contains a maximum stack flow rate of 9,000 Cubic Feet per Minute (CFM), while the monitoring system was verified to be in compliance with regulatory requirements at higher flow rates.

Corrective Action:

RL and Washington State Department of Health (WDOH) were notified of the situation. Options to rectify the situation were evaluated. WDOH prefers an engineering evaluation by PNNL to justify use of the higher flow rates. This will also provide defensibility for past data. Following successful completion of the engineering evaluation, RL will submit a Notice of Concern (NOC) revision to modify the license to reflect the wider range of stack flow rates.

Status:

RL provided direction to proceed with the PNNL statistical analysis of the CSB stack flow data. A contract was awarded to PNNL on July 29, 2015. The first deliverable was received September 28, 2015; the preliminary review is complete. PNNL is optimistic they will be able to provide a basis for an expanded flow range. A meeting with RL and WDOH is scheduled for October 8, 2015 to present first deliverable from PNNL.

Issue:

Canister Storage Building storage tubes M03 and M04 were discovered to have rust-like substances under the tube covers and on the tube plugs. M03 was significantly coated, where M04 only displayed a trace amount. The rust-like substance was not radiological contaminated vapor sampling detected no abnormal readings. This condition was discovered during the conduct of the primary material balance area (MBA) Custodian inventory during a representative observation of storage tubes.

Corrective Action:

The MBA inventory was paused. Two separate sample sets were collected and submitted for analysis. A work package to inspect, clean, sample, and return to operation was initiated. Engineering/corrosion SMEs from the Central Group were contacted to support the inspection and evaluation.

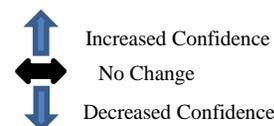
Status:

The inventory pause has been lifted based on the results from Sample #1. Sample # 2 analysis is in process. Work package planning has been initiated, and will be finalized upon evaluation of Sample #2 results by Engineering and Operations.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-0013/WBS-013																					
Explanation of major changes to the project monthly spotlight chart: No major impacts to the risk profile in the month of September .																					
Realized Risks (Risks that are currently impacting project cost/schedule)																					
WSD-125: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	A pause in waste processing results in an unexpected container degradation within SWOC (excluding TRU Retrieval activities) and require additional resources to respond. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$5 million, 0 day			<p>Risk Event: In November 2011, degraded containers were discovered in CWC.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform daily/weekly waste container surveillances to identify container abnormalities.</td> <td rowspan="4" style="text-align: center;">10/01/11</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Overpack degraded waste packages.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Process waste packages at a rate funded by RL.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Project continued to perform daily/weekly/monthly container surveillances in the month of September to identify container and container cover abnormalities. A PI is currently being negotiated to ship 280 m3 in FY2016, largely from Outside Storage Area A. A contract is being placed to design and fabricate a large overpack for storage box 75DMA16F3 with a subsequent move into 2403WD.</p> <p>A potential impact may be realized due to regulator uncertainties related to the definition of a satisfactory container when corrosion is evident. These uncertainties may result in the inability to efficiently receive waste from on-site generators, i.e., PFP. No alternative course of actions needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Perform daily/weekly waste container surveillances to identify container abnormalities.	10/01/11	On-Going	N/A	Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.	On-Going	N/A	Overpack degraded waste packages.	On-Going	N/A	Process waste packages at a rate funded by RL.	On-Going	N/A
Risk recovery action(s)	Risk Date	FC Date	%																		
Perform daily/weekly waste container surveillances to identify container abnormalities.	10/01/11	On-Going	N/A																		
Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.		On-Going	N/A																		
Overpack degraded waste packages.		On-Going	N/A																		
Process waste packages at a rate funded by RL.		On-Going	N/A																		
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																					
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																					

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0013/WBS-013													
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$10 million, 0 day	●	↔	Risk Trigger Metric: Will continue throughout contract (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with RL (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with RL to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with RL (i.e., September 30, 2018).	On-Going	N/A	Continue to work with RL to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A
				Mitigation action(s)	FC Date	%							
Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with RL (i.e., September 30, 2018).	On-Going	N/A											
Continue to work with RL to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A											
Mitigation Assessment: No changes in the month of September . Project continues to monitor our offsite radioactive waste processing/treatment capabilities. No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
Lifecycle Risk Triggers (Risk could be realized at any point of the project)													
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$48 million, 0 day	●	↔	Risk Trigger: Will continue throughout project lifecycle (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A			
				Opportunity action(s)	FC Date	%							
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A											
Opportunity Assessment: No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time. However, emerging issues continue to place pressure on ability to achieve planned efficiencies.													
Unassigned Risks (Pending ownership of identified risks/opportunities)													
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.													
WSD-TR-02: RL Shipper Does Not Authorize Shipment	CHPRC closed risk - This a government furnished service and is outside of CHPRC control. RL acknowledged that they will authorize shipment of compliant with regulations. Risk closed and captured under PRC-018. This risk will be closed in the month of October, and no longer reported on.												
WSD-022: IDF Startup	The risk is that the IDF does not startup as scheduled or that the startup requirements are more stringent than planned in the baseline. <u>CHPRC Comment:</u> Change in planning assumptions are outside CHPRC control.												
WSD-026: Cs/Sr Capsule Design Uncertainties	CHPRC closed risk - Risks captured in CHPRC risk register under WSD-135 series. This risk will be closed in the month of October, and no longer reported on.												
WSD-051: Standard Waste Box Availability	CHPRC closed Risk - Risk captured under PRC-065 This risk will be closed in the month of October, and no longer reported on.												
WSD-080: More Restrictive DSA Requirements Imposed at WRAP	CHPRC closed risk - CHPRC required to prepare DSA's in accordance with requirements and implement DSA's as approved or updated. Risk captured under PRC-018. This risk will be closed in the month of October, and no longer reported on.												
WSD-090: IDF Startup Impacted by Modeling Prohibition	CHPRC closed risk - Final EIS was complete. Risk passed. This risk will be closed in the month of October, and no longer reported on.												
WSD-096: WIPP Does Not Accept Overpacked Containers in SWBs	Compliant retrieved TRU waste 55 gallon drums over-packed into SWBs are rejected by CBFO as non-compliant waste packages. <u>CHPRC Comment:</u> WIPP acceptance requirements are outside of CHPRC control.												
WSD-128:DOE Rescinds Previously Authorized Safety Analysis	CHPRC closed risk - Acknowledged and Close - CHPRC required to prepare DSA's in accordance with requirements and implement DSA's as approved or updated. Rescinding risk captured under PRC-018. This risk will be closed in the month of October, and no longer reported on.												

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.7	12.1	8.0	2.5	25.7%	4.2	34.2%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (+\$2.5M/+25.7%)

The current month favorable schedule variance is due to schedule recovery for TRU Large Box Shipments TC135 and TC132 to PFNW, as well as the return of shipment TC132 from PFNW that was accelerated from FY2016 to FY2015 due to a change in strategy (originally both large box and drums were planned to be shipped to PFNW) associated with the need to ship large containers versus small containers to enable completion of the draft Tri-Party Agreement milestone for 280 cubic meters in FY2015.

CM Cost Performance (+\$4.2M/+34.2%)

The current month favorable cost variance is due to planned efficiencies. In addition, the project was able to complete some Agreed Order tasks below cost as no spill containment purchases were necessary at this time, and beryllium characterizations were performed ahead of schedule and at lower cost than planned.

Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	980.1	983.2	926.8	3.1	0.3%	56.4	5.7%	1,321.7	1,241.6	80.1

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$3.1M/+0.3%)

The schedule variance is within threshold.

CTD Cost Performance (+\$56.4M/+5.7%)

The favorable cost variance is due to the continued implementation of planned efficiencies.

Variance at Completion (+\$80.1M/+6.1%)

The Variance at Completion is due to continued implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	93.2	83.1	10.1

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 projected funding for PBS RL-0013 was raised from \$91.4 million to \$93.2 million primarily due to a reallocation of funds across PBSs to facilitate FY2016 start up. The FY2015 Spending Forecast was reduced from \$87.3 million to \$83.1 million primarily due to forecasted shipments TRU shipments/returns delayed to allow for optimal throughput for the repackaging facility and CWC. In addition, \$1.5 million reduction was associated with labor and General and Administrative (G&A) variance distributions.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-15-015R0, CO #269, *WESF K3 Ventilation & Stabilization Project*
 BCR-013-15-017R0, *Definitization of CO #273, Accelerate TRU Repackaging*
 BCR-013-15-018R0, *Cs/Cr Extended Storage – Update Acquisition Planning*
 BCR-013-15-019R0, *CO #279, SWITS Bar Code Reader*
 BCR-013-15-020R0, *CO #274, CWC Box NDA Campaign*
 BCR-013-15-021R0, *CO #280, CWC Emergency Lighting*
 BCR-013-15-022R0, *CO #276, Additional WESF Occupancy*
 BCR-PRC-15-056R0, *Undistributed Budget Adjustments – September 2015*
 BCR-PRC-15-058R0, *Integrated Disposal Facility (IDF) – Prepare DSA and Updated RCRA Part B Permit*
 BCR-PRC-15-063R0, *Alternatives Analysis Study for TRU/Mixed Waste Disposition Additional Capabilities*
 BCR-PRC-15-065R0, *Enhanced RCRA Compliance – Additional Records Support*
 BCR-PRC-15-067R0, *Move Balance of FY 2015 Management Reserve to FY 2016*
 BCR-PRC-15-069R0, *Revisions to Undistributed Budget for Contract Modification 445*

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-47A	Certify or treat 280 cubic meters of TRUM/MLLW waste in FY2015.	9/30/15	9/1/15	9/30/15	Completed
M-091-44Z-006	Annual PMM or Quarterly Notification of Cert of CH/RH TRUM.	12/31/15		12/31/15	On Schedule
M-091-03J	Submit Revision of TRUM Waste and MLLW PMP to Ecology.	6/30/16		6/30/16	On Schedule
M-091-01A	Complete Conceptual Design for RH TRUM and TRUM Facilities and Change Package.	9/30/16			To Be Missed – realignment of select M-091 milestones deletes this milestone.
M-091-41A	Complete retrieval of non-caisson RH RSW.	9/30/16		--	To Be Missed – realignment of select M-091 milestones deletes this milestone.
M-091-44Q	Certify 300 cubic meters large container CH TRUM and/or RH TRUM Waste.	9/30/16	5/26/11		Completed
M-091-46F	Certify 250 cubic meters of small container CH TRUM waste.	9/30/16		--	To Be Missed – realignment of select M-091 milestones deletes this milestone.
P-091-47B	Certify or treat 280 cubic meters of TRUM/MLLW waste in FY2016.	9/30/16		9/30/16	On Schedule
P-091-51	Submit secondary document for new or modified facilities to process all Hanford Site RH TRUM waste.	9/30/16		9/30/16	On Schedule

SELF-PERFORMED WORK

The Section H.20 clause, entitled “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

Contract Section	Project	GFS/I	Status
CONTRACT			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the CBFO.	Ongoing (pending restart of WIPP Shipments)

Section D

Soil and Groundwater Remediation Project (RL-0030)



K. L. Wiemelt
Vice President and
Project Manager for
Soil and Groundwater
Remediation Project

M. N. Jaraysi
Vice President for
Environmental Program
and Strategic Planning

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued making progress on the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) remedial process documentation for the River Corridor and Central Plateau. Groundwater treatment and well drilling completed in September includes the following:

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Nitrate as N (kg)		Tech-99 (pCi)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	33.2	373.1	7.0	92.5	-	-	-	-	-	-
HX P&T	21.5	306.4	2.4	24.3	-	-	-	-	-	-
KR-4 P&T	13.6	171.5	0.3	4.3	-	-	-	-	-	-
KW P&T	14.3	170.9	1.0	23.7	-	-	-	-	-	-
KX P&T	32.2	401.7	1.8	29.2	-	-	-	-	-	-
200 West P&T	83.0	997.3	7.3	83.2	225	2,901	6,291	73,138	.13x10 ¹²	1.4x10 ¹²
Combined	197.7	2,420.8	19.8	257.2	225	2,901	6,291	73,138	.13x10¹²	1.4x10¹²

Well Drilling by Area	FY2015 Planned	September	FY2015 Cumulative
100-KR-4	5	-	5
100-HR-3	12	-	12
NRDWL/SWL	4	4	4
200-UP-1	5	1	5
200-ZP-1	7	2	5
M-24	19	-	12
300-FF-5	34	-	33
DVZ URG TT	6	-	-
100-KR-4 (high risk for RL-0041)	-	2	2
Total Wells	92	9	78

EMS Objectives and Target Status

Objective	Target	Actions	Due Date	Status	Overall Target Status
15-SGWR-EMS-OB1 Reduce toxic air emissions at the 200 West P&T Facility	T1 – Implement one measure to reduce toxic air emissions (namely carbon tetrachloride) at the 200 West P&T Facility	Apply heat tracing and insulation to reduce condensation in the GAC containers during the colder months.	12/31/14	100%	100%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	100%	
15-SGWR-EMS-OB2 More effective promotion of EMS	T1 – Promote and increase S&GRP project personnel EMS awareness via various means throughout FY2015.	Present at least five EMS topics to S&GRP personnel on a minimum of five different occasions.	9/30/15	100%	100%
		Provide a discussion of at least five different EMS topics to be communicated to S&GRP personnel through the “S&GRP Daily Communications.”	9/30/15	100%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/S&GRP meetings).	Discuss EMS topics with drilling subcontractor personnel, on a minimum of five different occasions with different topics at each session.	9/30/15	100%	100%
14-SGWR-EMS-OB3 Increased awareness of Universal Waste requirements	T1 – Promote and increase S&GRP project personnel awareness of Universal Waste requirements via direct communication with S&GRP personnel throughout FY2015.	On a quarterly basis provide focused universal waste training sessions.	9/30/15	100%	100%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	100%	

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	5	38*	<ul style="list-style-type: none"> • 9/2/2015 - Employee sustained a metal sliver in finger while wiping down split spoon. (23805) • 9/3/2015 - Employee was bitten/stung by an insect on left ankle. (23806) PTS • 9/14/2015 - Employee notice eye irritation after brushing a gnat from their eye. (23809) • 9/29/2015 - Employee bumped head on a pipe while reaching down to retrieve a dropped impact drive. (23823) • 9/30/2015 - Employee scraped arm while preventing a fall from a stool with wheels while repositioning. (23826) <p>*13 FA cases, PTS in support of RL-0030.</p>
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations RL 30 Integration & Assessments

Environmental Integration

- Briefed RL on the results of the Tri-Party Agreement Administrative Record upgrade Kaizen “get-to-excellence” plan. Transmitted a recommendation on the Administrative Record upgrade with cost and schedule information to RL to complete the authorized scope for FY2015.
- A new Environmental Cost Estimating Tool (TRACE) was released on September 17, 2015. The tool can now be used on Remedial Investigation/Feasibility Study (RI/FS), Engineering Evaluation/Cost Analysis (EE/CA) and Removal Action Work Plan (RAWP) cost estimates.

Environmental Data Integration

- The FLEDG 2 upgrade was reviewed and approved by Hanford Production Readiness Review Board (PRRB). This completes the authorized scope for FY2015.

Risk and Modeling Integration

- Completed composite analysis and cumulative impacts evaluation preparations accelerated scope for FY2015. Key elements include software qualification (MODFLOW-USG, GoldSim® Pro, Leapfrog-Geo®, STOMP, and Geochemist Workbench®), Site-wide Model Development, completion of the 100-B/C Model Package Report, completion of risk calculations for U.S. Environmental

Protection Agency (EPA) Preliminary Remediation Goals (PRG) calculator comparison, and hardware acquisition for the Hanford Soil Inventory Model update.

Productivity

- The project continued piloting the use of the Productivity Tracking Log (PTL) tool for the CHPRC. Implementation of the PTL is a part of a Corrective Action Plan prepared in response to an Office of Inspector General report (OAS-M-14-11, *Follow-up Audit on the Management of the Plutonium Finishing Plant Project*, dated September 2014) on productivity. Bi-weekly meetings are being held with the Performance Analysis and Risk Management Integration (PARMI) team that is responsible for company-wide implementation of the productivity initiatives. Lessons learned in the field are being shared and incorporated into software updates and implementation documentation. The tool will be used to compile productivity events for evaluation; both efficiencies and impacts will be evaluated for action (e.g. efficiency information documented by the S&GRP organization in the PTL was used by the PARMI Director during a RL assessment interview as an example of how PTL evaluations are being used to drive productivity improvements).

River Corridor

300-FF-5 Operable Unit

- Issued the Revision 2 Waste Management Plan for the 300-FF-5 Operable Unit on September 8, 2015.
- Issued the Revision 0 300-FF-5 Operable Unit Remedy Implementation Sampling and Analysis Plan on September 9, 2015.
- Mobilized subcontractor and initiated installation of the Stage A infiltration system for uranium sequestration.

100-FR-3 Operable Unit

- Submitted the Revision 0 Integrated Remedial Design Report/Remedial Action Work Plan for 100-FR-3 to RL on September 2, 2015.

100-KR-4 Operable Unit

- Completed well installation and groundwater sampling of the high-risk borehole near the 105KE Reactor (RL-041 funded).
- Initiated the change proposal to rewrite the 100-KR-4 remedial investigation/feasibility study report and proposed plan.

100-BC-5 Operable Unit

- Transmitted the Revision 2, Draft A 100-BC-5 Sampling and Analysis Plan to RL on September 29, 2015, for transmittal to the EPA for review.
- Initiated rewrite of the 100-BC-5 remedial investigation/feasibility study report.

Central Plateau

200-SW-2 Operable Unit

- Completed aerial radiation survey field activities supporting RL on September 27, 2015.

200-BP-5 and 200-PO-1 Operable Units

- Initiated the 200-BP-5 Treatability Test on September 30, 2015. The aquifer test will continue through October.
- Completed installation of the first pipeline to support the 200-BP-5 treatability test and turnover to operations on September 22, 2015. Completed welding activities on the second pipeline on September 30, 2015.

200-UP-1 Operable Unit

- Began unattended operations of the uranium extraction and treatment system to treat uranium contaminated groundwater on September 21, 2015.
- Completed construction of the three I-129 injection wells to meet Tri-Party Agreement Milestone M-16-190 on September 29, 2015. This milestone includes installation of extraction and injection wells for the U Plant uranium, technetium-99, and iodine-129 plume remedies.
- Completed construction of the I-129 plume hydraulic containment system and project turnover to operations on September 30, 2015.

200-WA-1 Operable Unit

- Transmitted the Draft B Remedial Investigation/Feasibility Study Work Plan to RL on September 22, 2015, which was then transmitted to EPA for review.

200-DV-1 Operable Unit

- Held a kick-off meeting on September 28, 2015, to resume drilling at the BY Cribs using the Becker-Hammer drill rig. Drilling is planned to begin on October 1, 2015.

200-PW-1/3/6 & 200-CW-5 Operable Units

- Transmitted the Draft B Remedial Design/Remedial Action Work Plan for the 200-CW-5, 200-PW-1, 200-PW-3, and 200-PW-6 Operable Units to RL on September 28, 2015. RL subsequently submitted the document to EPA on September 30, 2015, meeting Tri-Party Agreement Milestone M-016-125.
- Transmitted the Draft A Sampling and Analysis Plan for the 200-CW-5, 200-PW-1, and 200-PW-6 Operable Units to RL on September 3, 2015. RL subsequently submitted the document to EPA on September 30, 2015.

Groundwater P&T Facilities**200 West P&T**

- Operated the 200 West P&T above 1,920 gpm. Maintained effluent concentrations below cleanup levels specified in Record of Decision (ROD).

100 Area P&Ts

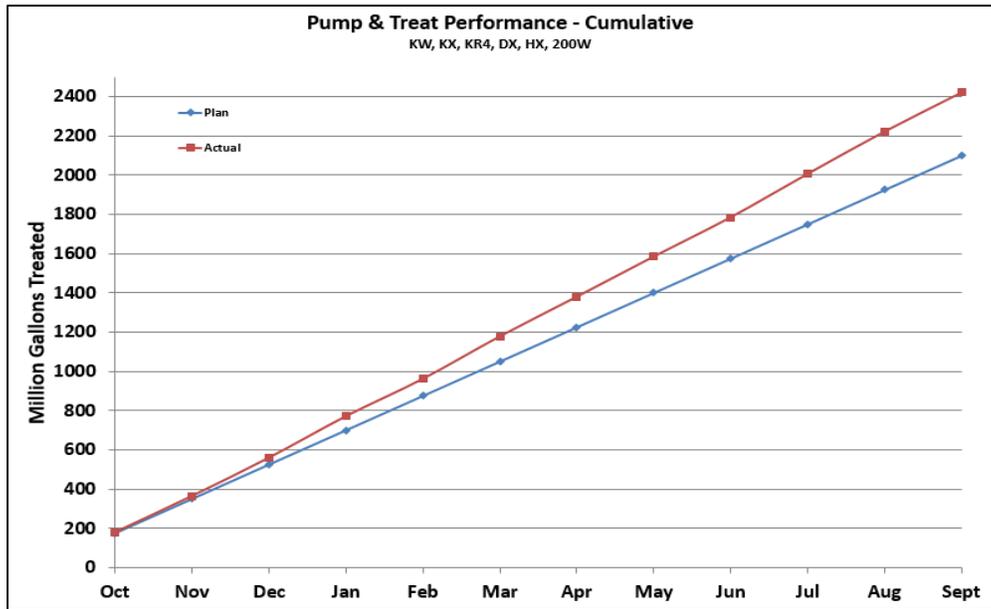
- Operated the DX P&T above 765 gpm, which exceeds the original design capacity of 600 gpm.
- Operated the KR-4 P&T above 300 gpm, which exceeds original design capacity of 300 gpm.
- Operated the KW P&T above 330 gpm, which exceeds the original design capacity of 200 gpm.
- Operated the KX P&T above 740 gpm, which exceeds the original design capacity of 600 gpm.
- HX P&T demonstrated greater than 100 percent operating capacity. Monthly average at approximate 500gpm.

Perched Water (200-DV-1)

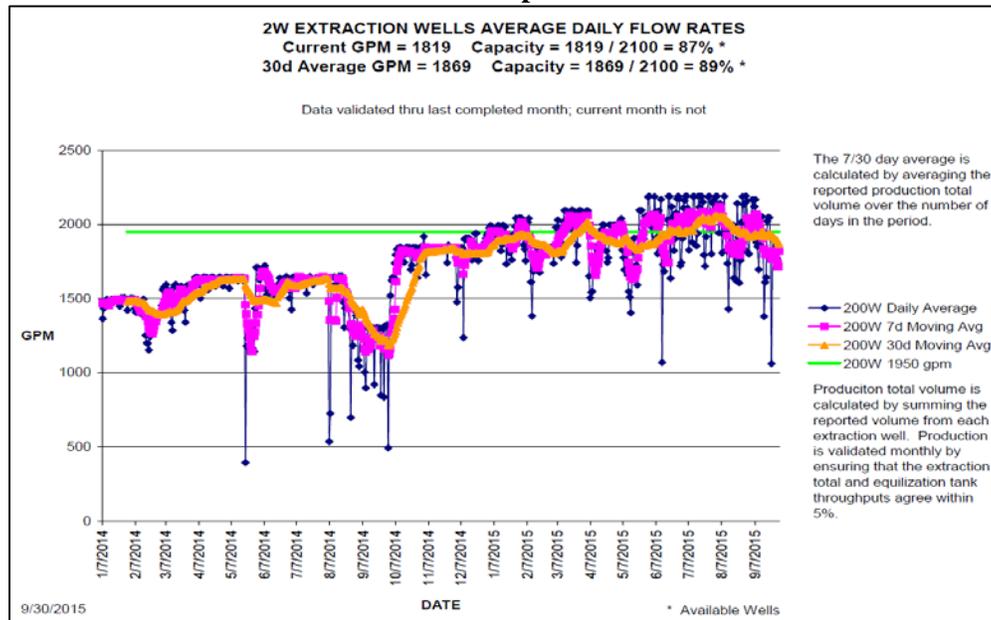
- The perched water removal system was shut down on August 20, 2015, to support construction of two new perched water removal stations and retrofit of the original station. The outage for this system is anticipated to last approximately six weeks with restart anticipated in early October.
- The B Area perched water extraction system has removed a total volume of 301,156 gallons of perched water since initiating operations on August 30, 2011. No contaminants were removed for the month of September.

Contaminant	September	Cumulative (since startup)
Tc-99	0.0 E-03 Ci	36.3 E-03 Ci
Uranium	0.0 kg	68.5 kg
Nitrates	0.0 kg	579.3 kg

FY2015 P&T Operations



200 West Pump-and-Treat



MAJOR ISSUES

Issue – The 100-NR-2 field work is delayed due to the Section 106 Cultural Resource Review (CRR) and approval process associated with the Traditional Cultural Property (TCP). This issue impacted performance of the 100-NR-2 apatite barrier in FY2014, and has caused an impact to the FY2015 scope associated with installation of the six new M-24 milestone monitoring wells and Deactivation and Decommissioning (D&D) of the P&T facility.

Corrective Action – Develop and implement an approach for preparing the CRRs and conducting the associated Memorandum of Agreement (MOA) workshops to allow more rapid completion of the MOA process so field work can be performed within the TCP. Given these impacts, this work scope was moved to FY2016.

Status – Tribal comments were incorporated into the final CRRs and MOAs for well installation and P&T D&D projects. Signatures on the final MOAs are expected in mid-October.

Issue – Experiencing regulatory agency delays in the approval of decision documents, such as legal reviews of the 100-D/H Proposed Plan (RL-2011-111), extended comment resolution on the 100-N RI/FS Report (RL-2012-15, Draft A), and Ecology approval of the 200-IS-1 Tri-Party Agreement change packages (C-013-01 and C-014-02), which affect the 200-IS-1 RI/FS Work Plan (RL-2010-114) scope definition.

Corrective Action – Maintain visibility on the delays to senior management. RL/CHPRC to continue working with the regulatory agencies to facilitate completion of these documents. Submit Notice of Change letters to RL as contract activities are impacted.

Status – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. Ecology legal comments on the Draft Revision 0 100-D/H Proposal Plan were incorporated and the revised document submitted to Ecology on August 27, 2015. EPA 30-day legal review began on September 2, 2015. The scheduled weekly comment resolution meetings with Ecology on the 100-N RI/FS report are only occasionally held due to regulator availability. Meetings continue between RL and Ecology legal to resolve long-standing issues with 200-IS-1 RI/FS Work Plan.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- Increased Confidence
- No Change
- Decreased Confidence

Risk Title	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-0030/WBS-030													
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for the month of September.													
Realized Risks (Risks that are currently impacting project cost/schedule)													
<p>OPPORTUNITY: SGW-007A: Sampling Requirement Reduction</p>	<p>Reduction in field sampling (locations, frequency, or total number of samples collected) has the opportunity to reduce cost. Risk Handling Strategy: Exploit Probability: Medium (26% to 74%) Worst Case Impacts: \$3 million, 0 day</p>	●		<p>Opportunity Event: The <i>Optimization Plan to Revise the Groundwater Sampling Plan</i> is final and provides the roadmap to revise all groundwater SAPs over the next two years.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Opportunity action(s)</th> <th style="text-align: center;">FC Date</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Develop schedule for completing RL Panel Review on the SAPs.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td style="text-align: center;">Obtain RL approval of the revised SAP.</td> <td style="text-align: center;">12/1/15</td> <td style="text-align: center;">58</td> </tr> </tbody> </table> <p>Opportunity Assessment: All CERCLA SAPs have been revised and provided to RL except for 100-NR-2 and 100-KR-4. The 100-NR-2 SAP is expected to be transmitted to RL during the first week of October. The resolution of Ecology's comments on the 100-HR-3 SAP are being incorporated into the 100-KR-4 SAP, which is on schedule to be transmitted to RL by mid-November.</p> <p>An approach has been developed to revise the 18 RCRA groundwater monitoring plans and is being implemented with the support of RL and Ecology. Thirteen of the RCRA groundwater monitoring plans were transmitted to RL in September 2015, and the remainder of the RCRA groundwater monitoring plans are planned to be completed this CY.</p> <p>Good progress has been made on development of the AEA groundwater monitoring SAP including incorporation of the current RL guidance documents. This document is on schedule to be completed by December, 2015.</p>	Opportunity action(s)	FC Date	%	Develop schedule for completing RL Panel Review on the SAPs.	Complete	100	Obtain RL approval of the revised SAP.	12/1/15	58
Opportunity action(s)	FC Date	%											
Develop schedule for completing RL Panel Review on the SAPs.	Complete	100											
Obtain RL approval of the revised SAP.	12/1/15	58											
<p>PRC-005: Delayed Document Approvals</p>	<p>Required regulatory, nuclear safety, or transportation safety documents are not approved within the scheduled timeframes and impact CHPRC scheduled activities. Risk Handling Strategy: Transfer Probability: Very Likely (>90%) Worst Case Impacts: TBD</p>			<p>Risk Event: Progress on several key decision documents have been delayed due to regulator comments and resource availability:</p> <ul style="list-style-type: none"> 100-D/H PP: The draft Revision 0 100-D/H PP was provided to Ecology in September 2014 for review. EPA's Remedy Review Board (RRB) then began on January 26, 2015, whose comments were received by CHPRC on April 30, 2015. Additional technical reviews by Ecology have been completed. Ecology's legal review began June 9, 2015, and is scheduled for 30 calendar days. Ecology legal review extended from Jul 10, 2015, to July 17, 2015. Ecology legal comments were received on August 5, 2015. Proposed responses to comments submitted to Ecology on August 27, 2015. Following Ecology's legal review, the Revised PP submitted for EPA's legal review in early September 2015. These sequential reviews have significantly impacted the schedule. 100-N RI/FS: The Draft A 100-N RI/FS and Proposed Plan were provided to Ecology on June 24, 2013, completing Milestone M-015-75. Comments were received on October 2, 2013. Comment resolution has continued, which includes weekly meetings to resolve comments chapter by chapter and preparation of several technical position papers. The team has progressed up to Chapter 8. However, Ecology submitted 104 additional comments on the revised Chapter 6, "Risk Assessment", on May 21, 2015. These are very near being resolved as of September 2015. Additionally, CHPRC responses to Ecology comments on Chapter 7 have been accepted and moved back to Ecology for final review. The RI is expected to be complete by the end of calendar 2015. An extension letter was received from Ecology extending the comment resolution period 3 months. 									

Risk Title	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-0030/WBS-030																		
				<ul style="list-style-type: none"> 200-IS-1 RI/FS Work Plan (WP): RL invoked dispute resolution on December 10, 2013 for Tri-Party Agreement milestone M-015-112, Submit Draft B 200-IS-1 OU RI/FS WP. Resolution of this dispute, which includes the 200-IS-1 OU waste sites and TSD/past practice status, is required before the Draft B RI/FS WP can be submitted. <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Resolution with Ecology on Draft Rev.0 100-D/H PP.</td> <td rowspan="3">04/30/15</td> <td>complete</td> <td>100</td> </tr> <tr> <td>Resolution with Ecology on Draft A 100-N RI/FS Report.</td> <td>10/29/15</td> <td>79</td> </tr> <tr> <td>Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.</td> <td>12/30/15</td> <td>50</td> </tr> </tbody> </table> <p>Risk Assessment:</p> <ul style="list-style-type: none"> 100-D/H PP: RL submitted proposed responses to Ecology on August 27, 2015. Meeting between RL, EPA and Ecology were held on September 2, 2015, to resolve comments. The revised draft PP was submitted to EPA for a 30-day legal review on September 2, 2015. 100-N RI/FS: Comment resolution with Ecology on the Draft A 100-N RI/FS Report continues with the RI (Chapters 6 and 7) and limited progress on the FS (Chapters 8 through 10). A revised project delivery schedule will be prepared that is consistent with the extension from Ecology to March 2016, as the basis to complete comment resolution. Ecology's availability continues to impact progress, resulting in a month slip to the forecasted finish date. New alternatives in the FS are also being considered to address a new COC and sources areas near the FSB. A revised course of action is being prepared to address the delays and new information since submittal of the Draft A document. 200-IS-1 RI/FS WP: Ecology is unwilling to sign Tri-Party Agreement change packages C-13-01 and C-14-02 until all TSDs are clearly identified. These change packages add 233 waste sites into 200 IS-1 Appendix C. Ecology shared their TSD/past practice resolution proposal on April 22, 2015. Additional discussions focused on tanks with liquids remaining following the August 1987 date are necessary with Ecology and RL legal counsels. This meeting was planned for May 21, 2015; it was then moved to June 4, 2015, due to Ecology's legal counsel availability and staffing changes. Due to this change, the dispute resolution was extended to September 30, 2015. In September dispute resolution was further extended to December 31, 2015. The CHPRC project team continues Work Plan preparation efforts based on the scope identified in the two draft change packages. 	Risk recovery action(s)	Risk Date	FC Date	%	Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	complete	100	Resolution with Ecology on Draft A 100-N RI/FS Report.	10/29/15	79	Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.	12/30/15	50
Risk recovery action(s)	Risk Date	FC Date	%															
Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	complete	100															
Resolution with Ecology on Draft A 100-N RI/FS Report.		10/29/15	79															
Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.		12/30/15	50															
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
No critical risks identified in the month of September.																		
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																		
No high threat value risks identified in the month of September.																		
Unassigned Risks (Pending ownership of identified risks/opportunities)																		
In the month of September RL-0030 conducted risk reviews and determined that risks SGW-002 and SGW-045 were already captured under transferred risk PRC-005. This risk was closed in the month of September, and will no longer be reported on.																		

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	16.4	16.2	14.4	(0.2)	-1.4%	1.8	11.1%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Performance (-\$0.2M/-1.4%)

- The current month schedule variance is within reporting threshold.

CM Cost Performance (+\$1.8M/+11.1%)

The positive cost variance resulted from the following:

- Continuing to experience efficiencies in the Groundwater Monitoring and Performance Assessment account associated with the use of lower analytical laboratory costs due to the use of offsite laboratories, lower geophysical logging costs during well drilling due to the competitive procurement process, and lower groundwater sample collection costs due to leveraging sampling staff on Other Hanford contractor (OHC) and special sampling requests (project-specific) this month.
- Implementation of BCR-030-15-031R0, *CO 291 200-IS-1 WIDS Information*, which resulted in a positive current period adjustment because the actual costs had been experienced in a prior period.
- S&GRP is requiring fewer leased vehicles and experiencing less fuel, inspection, maintenance, and repair costs than originally planned.

Contract-to-Date

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	1,154.9	1,147.3	1,127.4	-7.5	-0.7%	20.0	1.7%	1,564.1	1,511.4	52.7

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Performance (-\$7.5M/-0.7%)

The variance is within reporting thresholds.

CTD Cost Performance (+\$20.0M/+1.7%)

The variance is within reporting thresholds.

Variance at Completion (+\$52.7/+3.4%)

The variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0030	139.2	128.1	11.0

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

RL-0030 project funding is \$139.2 million for FY2015. The Spend Forecast decreased from August to September by \$1.3 million.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-029R0, *Additional MBR Cassettes*

BCR-030-15-030R0, *Definitization of CO #268, Decommission 1100-EM-1 Cone Penetrometer and Soil Tubes*

BCR-030-15-031R0, *CO #291, 200-IS-1 WIDS Information*

BCR-PRC-15-054R0, *Incorporate RL-0011.C2 PFP Demolition Capital Asset Project Baseline*

BCR-PRC-15-055R0, *200W Pump & Treat Facility Maintenance Realized Risk*

BCR-PRC-15-056R0, *Undistributed Budget Adjustments September 2015*

BCR-PRC-15-059R0, *Reinstate PBS RL-0030 Work from CLIN 7*

FY2015 Management Reserve (Funded):

Approval and implementation BCR-PRC-15-055R0 - *200W Pump & Treat Facility Maintenance Realized Risk* saw a drawdown of \$832K in FY2015 Management Reserve. No management reserve remains for FY2015.

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant achievements in project execution. Enforceable Tri-Party Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key activities. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. Tri-Party Agreement Milestone M-015, M-016, M-037 and M-085 series are in negotiation. Negotiations have been extended to December 31, 2015. The following table is a one year look ahead of Tri-Party Agreement enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
Completed Milestones						
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15	9/30/15		Complete per 15-AMRP-0348
M-024-66	RL shall complete the construction of all wells listed for CY2015	TPA	12/31/15	6/17/15		Complete per 15-AMRP-0323 (dated 9/17/15)
M-016-190	Complete installation of extraction and injection wells for U Plant area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	12/29/15	9/29/15		Complete, letter underway
Milestones in Dispute or To Be Missed						
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		TBD	Dispute resolution extended to December 31, 2015 (Tri-Party Agreement Change Control Form M-15-13-02)
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15		9/30/16	To be missed. Letter CHPRC-1500938 submitted to notify RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		10/28/21	To be missed. Letter CHPRC-1500938 submitted to notify RL that M-015-92A is to be missed.
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. Letter CHPRC-1500938 submitted to notify RL that M-015-110B is to be missed.

M-085-02	Submit a change package to establish a schedule for submittal of the RI/FS Work Plans for the 200-CB-1, 200-CP-1, and 200-CR-1 Operable Units and a schedule for submittal of the Removal Action Work Plans for 224B and 224T Plutonium Concentration Facilities	TPA	9/30/15		10/30/15	This milestone is under negotiation. The negotiations have been extended to 10/30/15.
M-015-91B	Submit FS Report and PP for 200-WA-1 to EPA	TPA	12/31/15		4/30/17	To be missed. The scope was not funded in FY2014 or FY2015, nor has the RI/FS work plan been approved. The milestone date will be revised based on the issuance of the Revision 0 work plan. Letter CHPRC-1500938 submitted to notify RL that M-015-91B is to be missed.
Milestones on schedule						
M-015-38B	Submit Revised FS Report and PP for CW-1, CW-3, & OA-1 to EPA	TPA	10/30/15		10/30/15	This milestone impacted by negotiation agreement signed March 31, 2015, by Tri-Parties.
M-091-40L-048	Submit July to Sept. 4th Quarter FY2015 Burial Ground Sample Results.	TPA	12/15/15		12/15/15	On schedule
M-015-78	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/16		2/24/16	On schedule
M-091-40L-049	Submit Oct. to Dec. 1st Quarter FY2016 Burial Ground Sample Results.	TPA	3/15/16		3/15/16	On schedule
M-016-191	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plan area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	3/30/16		10/15/15	On schedule
M-024-58I	Initiate Discussions of Well Commitments	TPA	6/1/16		6/1/16	On schedule

M-091-40L-050	Submit Jan to March 2nd Quarter FY2016 Burial Ground Sample Results.	TPA	6/15/16		6/15/16	On schedule
M-024-67-T01	Conclude Discussions of Well Commitments	TPA	8/1/16		8/1/16	On schedule
M-091-40L-051	Submit Apr to Jun 3rd Quarter FY2016 Burial Ground Sample Results.	TPA	9/15/16		9/15/16	On schedule

SELF-PERFORMED WORK

The Section H.20 clause entitled, "Self-Performed Work," is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E
Nuclear Facility D&D, Remainder of Hanford
(RL-0040)



R. M. Geimer
Vice President for
K Basin Operations and
Plateau Remediation
(KBO&PR)

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues). The Project completed 60 percent preliminary design for REDOX roof repair, annual National Emission Standards for Hazardous Air Pollutants (NESHAP) inspections at Plutonium Uranium Extraction Plant (PUREX) and B Plant, Quarterly Chemical Inventory and initiated demolition of the 207A South Retention Basin.

EMS Objectives and Target Status

None currently identified.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	2	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Operations/Maintenance:
 - o Completed 60 percent preliminary design for REDOX roof repair.
 - o Performed WIDS waste site housekeeping (tumbleweed removal, corrected posting issues).
 - o Completed PUREX exhaust fan vortex damper repair.
 - o Continued support on well drilling operations at B Plant.
 - o Completed post-surveillance review for miscellaneous facilities.
 - o Completed annual stack sampler line tester calibrations in preparation for NESHAP inspections.
 - o NESHAP inspections at PUREX and B Plant.
 - o Completed annual NESHAP inspections at PUREX and B Plant.
 - o Completed selected Radioactive Material Area (RMA) reductions at B-Plant and REDOX.
 - o Completed Quarterly Chemical Inventory.
 - o Completed annual REDOX fan lube and inspection.
- Completed:
 - o 58 radiological facility surveillances.
 - o 31 preventive maintenance activities.

- Nuclear Safety:
 - o Drafted 224B Criteria document for 2016 annual update.
 - o Received 224T Safety Evaluation Report, 15-NSD-0056.
 - o Transmitted CHPRC-1504169, HNF-14804, Revision 6 – *B Plant Documented Safety Analysis 2015 Annual Update Submittal*, to RL.
 - o Transmitted CHPRC-1501201, *Plutonium Uranium Extraction Facility Documented Safety Analysis, CP-14977, Revision 8* to RL.
 - o Initiated work on single implementation plan and associated documentation to support concurrent implementation of 224-T, Fast Flux Test Facility (FFTF), and PUREX annual updates.
- 207A South Retention Basin Closure:
 - o Completed pipe isolation of 207A valve pit area.
 - o Completed electrical isolation of 207A valve pit area.
 - o Completed ground pressure calculations for heavy equipment travel areas.
 - o Initiated demolition of the 207A South Retention Basin.

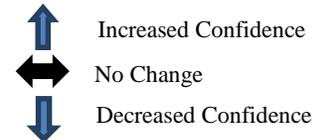
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0040/WBS-040				
Explanation of major changes to the project monthly spotlight chart:				
No major changes to the risk profile for the month of September.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of September.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of September.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of September.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified for RL-0040 in the month of September.				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.7	2.0	1.1	0.3	18.2%	0.9	44.0%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance: (+\$0.3M/+18.2%)

The variance is within reporting thresholds.

CM Cost Performance: (+\$0.9M/+44.0%)

The favorable variance is primarily due to the yearend labor and G&A variance distribution (\$251K), coupled with completion of the preliminary REDOX roof design with significantly fewer resources than planned (estimate based on previous comparable roofs, but less complex than anticipated) and efficiencies realized in the demolition preparations for 207A South Retention Basin.

Contract-To-Date

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	402.0	401.9	369.7	(0.1)	-0.0%	32.2	8.0%	474.4	438.7	35.8

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance: (-\$0.1M/-0.0%)

The variance is within reporting thresholds.

CTD Cost Performance: (+\$32.2M/+8.0%)

The favorable cost variance is due to prior year activity that has been previously reported including:

- ARRA-funded work scope included efficiencies with Program Management (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million), efficiencies with Arid Lands Ecology (ALE) (\$3.7 million) and North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million). This is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, and Environmental Restoration Disposal Facility (ERDF) passback, which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.4 million) contributed to the favorable cost variance.

- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$900K), Surveillance and Maintenance (S&M) costs less than expected (\$4.5 million), U-Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1 million), Program Management utilizing less resources (\$3.6 million), Emergency Response activities (\$1.0 million) and underrun in overhead allocations (\$2.1 million).

Variance at Completion (+\$35.8M/+7.5%)

The Variance at Completion is primarily due to implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

**FUNDS vs. SPEND FORECAST
(\$M)**

WBS 040/RL-0040 Nuclear Facility D&D	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	15.8	11.8	4.0

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0040 was changed from \$18.4 million to \$15.8 million due to a reallocation of funding across PBSs to accommodate FY2016 startup funding. The Spend Forecast was changed from \$12.2 million to \$11.8 million primarily due labor and G&A variance distributions.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-PRC-15-056R0, *Undistributed Budget Adjustments – September 2015*
- BCR-PRC-15-060R0, *Design for REDOX Roof Replacement*
- BCR-PRC-15-061R0, *Replace Rad Tractors*
- BCR-PRC-15-062R0, *Closure Activities for 207A S. Retention Basin*
- BCR-PRC-15-064R0, *Increased Planning Capability*
- BCR-PRC-15-069R0, *Revisions to Undistributed Budget for Contract Modification 445*
- BCR-PRC-15-054R0, *Incorporate RL-0011.C2 PFP Demolition Capital Asset Project Baseline*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause, entitled “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

Nuclear Facility D&D, River Corridor (RL-0041)



R. M. Geimer
Vice President for
K Basin Operations and
Plateau Remediation
(KBO&PR)

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells Project completed characterization of UPR-100-K-1 and 116-KE-3 Waste Sites (PM-41-2). The project also initiated mobilization of subcontractor equipment for Area AB waste site remediation work. In addition, work continued toward the development change proposal for a transition plan and extent of condition reviews supporting transfer of River Corridor Closure Contract (RCCC) scope to CHPRC.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	0	0	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
 - o Completed characterization of UPR-100-K-1 and 116-KE-3 Waste Sites (PM-41-2)
 - o 116-KE-3:
 - Completed well development and post development sampling.
 - Received final characterization results.
 - o UPR-100-K-1:
 - Completed drilling, well construction, well development and post development sampling.
 - Shipped all remaining soil and water samples.
- Area AB waste site remediation:
 - o Started mobilization of subcontractor equipment.
- 165KE Asbestos Abatement
 - o Training in process for new insulators.
 - o Trailer modifications underway to house new personnel.

- RCCC Transition
 - o Work continued on the development of a change proposal for the Transition Plan and Extent of Condition checklist.
 - o Initiated meetings with WCH in support of transition planning.
- Completed 28 Radiological Surveillances.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

<p>Unassigned Risk</p> <p>Risk Passed</p> <p>New Risk</p> <p>Change</p>	<ul style="list-style-type: none"> ● Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts. ● Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed. ● Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed. 	<ul style="list-style-type: none"> ↑ Increased Confidence ↔ No Change ↓ Decreased Confidence
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Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0041/WBS-041				
Explanation of major changes to the project monthly spotlight chart:				
No major changes to the risk profile for RL-0041 in the month of September .				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of September .				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of September .				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of September .				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified for RL-0041 in the month of September .				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.0	1.6	1.5	0.6	63.2%	0.1	6.1%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (+\$0.6M/+63.2%)

The current period favorable schedule variance is due to acceleration of AB Waste Site Remediation and 165KE Asbestos Abatement work scope from FY2016.

CM Cost Performance (+\$0.1M/+6.1%)

The cost variance is within reporting thresholds.

Contract-to-Date

(\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	316.9	316.9	289.4	0.1	0.0%	27.5	8.7%	398.9	368.1	30.8

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$0.1M/+0.0%)

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$27.5M/+8.7%)

The positive variance is primarily the result of prior year activity that had been previously reported on, and Confirmatory Sampling No Action (CSNA) sites that were completed early and under costs. In addition, less demolition was required for the KE Sedimentation Basin, and there were underruns in General and Administrative and Direct Distributable. This was partially offset by the cost overruns in prior years for the Utilities Project.

Variance at Completion (+\$30.8M/+7.7%)

The Variance at Completion is primarily due to implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0041	11.5	8.5	3.0

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 is unchanged for September and remains at \$11.5 million. The Spend Forecast was reduced slightly from \$8.9 million to \$8.5 million to reflect delays in forecasted initiation of Area AB waste site remediation coupled with labor and G&A variance distributions.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-016R0, *CO #289, Transfer of RCCC Work Scope to CHPRC Part 1*
 BCR-041-15-017R0, *Move PBS RL-041 FY 2015 Management Reserve to FY 2016*
 BCR-041-15-018R0, *PBS RL-041 Undistributed Budget Adjustments – September 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause, entitled “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



R. M. Geimer
Vice President for
K Basin Operations and
Plateau Remediation
(KBO&PR)

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The FFTF is being maintained in a low-cost surveillance and maintenance condition.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	0	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Supported Fire Protection assessment in 400 Area buildings.
- 400 Area Water Systems:
 - Completed all required water systems monthly and weekly inspections.
 - Completed all required fire systems monthly and weekly inspections.
- Completed:
 - 27 Preventative Maintenance activities.
 - Four operational surveillances.
 - Four radiological surveillances.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
-  No Change
-  Decreased Confidence

Risk Title	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-0042/WBS-042				
Explanation of major changes to the project monthly spotlight chart:				
No major changes to the risk profile for the month of September .				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of September .				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of September .				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of September .				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in the month of September .				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.0	0.0	4.1%	0.1	66.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.0M/+4.1%)

The current period schedule variance is within reporting thresholds.

CM Cost Performance: (+\$0.1M/+66.4%)

The current period cost variance is within reporting thresholds.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	20.1	20.1	16.5	0.0	0.1%	3.6	18.0%	26.7	22.7	4.0

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$0.0M/+0.1%)

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.6M/+18.0%)

The cost variance reflects efficient use of resources to support deactivation activities.

Variance at Completion (+\$4.0M/+15.0%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.2	1.5	0.7

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

Projected Funding is unchanged for September and remains at \$2.2 million. The Spending Forecast was essentially unchanged.

Critical Path Schedule

Critical path analysis is not applicable to this project. The remaining contract scope is performance of interim surveillance and maintenance activities pending facility disposition.

Baseline Change Requests

BCR-PRC-15-067R0, *Move Balance of FY2015 Management Reserve to FY2016*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause, entitled “Self-Performed Work,” is addressed in the Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

CLASSIFICATION (When Filled In)

INTEGRATED PROGRAM MANAGEMENT REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Dollars			PENDING UPDATE TO OMB No. 0704-0188																																																		
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD																																																								
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 08 / 24																																																								
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO X YES (YYYYMMDD) 2009 / 09 / 18			b. TO (YYYYMMDD) 2015 / 09 / 30																																																								
c. TYPE CPAF			d. SHARE RATIO																																																															
5. CONTRACT DATA																																																																		
a. QUANTITY 1	b. NEGOTIATED COST 5,528,242	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 18,176	d. TARGET PROFIT/FEE 232,907	e. TARGET PRICE 5,761,149	f. ESTIMATED PRICE 5,597,699	g. CONTRACT CEILING 5,761,149	h. ESTIMATED CONTRACT CEILING 5,597,699	i. DATE OF OTB/OTS (YYYYMMDD)																																																										
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE																																																												
MANAGEMENT ESTIMATE AT COMPLETION (1)			CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Dickerson, Kala K			b. TITLE Prime Contract Manager																																																								
a. BEST CASE 5,302,513							c. SIGNATURE			d. DATE SIGNED (YYYYMMDD) 2015 / 09 / 30																																																								
b. WORST CASE 5,423,484																																																																		
c. MOST LIKELY 5,364,791			5,546,417		181,626																																																													
8. PERFORMANCE DATA																																																																		
CAPN.PBS																																																																		
CURRENT PERIOD													CUMULATIVE TO DATE			REPROGRAMMING ADJUSTMENTS			AT COMPLETION																																															
BUDGETED COST													ACTUAL			VARIANCE			BUDGETED			ESTIMATED			VARIANCE																																									
WORK SCHEDULED (2)													WORK PERFORMED (3)			COST WORK PERFORMED (4)			SCHEDULE (5)			COST (6)			WORK SCHEDULED (7)			WORK PERFORMED (8)			COST WORK PERFORMED (9)			SCHEDULE (10)			COST (11)			COST VARIANCE (12a)			SCHEDULE VARIANCE (12b)			BUDGET (13)			(14)			(15)			(16)											
ITEM (1)																																																																		
RL-0011 Nuclear Mat Stab & Disp PFP													14,502			17,080			10,060			2,578			7,020			863,471			836,251			842,796			-27,220			-6,545			0			0			0			969,578			961,098			8,480								
RL-0012 SNF Stabilization & Disp													9,338			8,979			11,631			-360			-2,652			517,077			515,709			529,903			-1,368			-14,195			0			0			0			696,176			726,425			-30,249								
RL-0013 Solid Waste Stab & Disp													9,667			12,147			7,987			2,480			4,160			980,080			983,217			926,850			3,136			56,367			0			0			0			1,320,054			1,239,959			80,095								
RL-0030 Soil & Water Rem-Grndwtr/Va													16,383			16,152			14,355			-231			1,797			1,154,884			1,147,336			1,127,351			-7,547			19,985			0			0			0			1,555,458			1,502,801			52,657								
RL-0040 Nuc Fac D&D - Remainder Ha													1,674			1,978			1,108			304			870			401,975			401,872			369,666			-104			32,206			0			0			0			459,682			423,919			35,763								
RL-0041 Nuc Fac D&D - RC Closure Pro													966			1,576			1,481			610			95			316,868			316,935			289,397			67			27,538			0			0			0			398,269			367,457			30,812								
RL-0042 Nuc Fac D&D - FFTF Proj													209			218			73			9			145			20,098			20,127			16,505			29			3,622			0			0			0			26,694			22,680			4,014								
b. COST OF MONEY N													0			0			0			0			0			0			0			0			0			0			0			0			0			0			0			0			0					
c. GENERAL AND ADMINISTRATIVE N													0			0			0			0			0			0			0			0			0			0			0			0			0			0			0			0			0					
d. UNDISTRIBUTED BUDGET																																																																		
e. SUBTOTAL													52,740			58,130			46,694			5,390			11,436			4,254,452			4,221,446			4,102,469			-33,006			118,978			0			0			0			5,484,085			5,302,513			181,572								
f. MANAGEMENT RESERVE																																																																		
g. TOTAL													52,740			58,130			46,694			5,390			11,436			4,254,452			4,221,446			4,102,469			-33,006			118,978			0			0			0			5,546,363														
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																																																																		
a. VARIANCE ADJUSTMENT																																																																		
b. TOTAL CONTRACT VARIANCE																																																																		

CLASSIFICATION (When Filled In)

CLASSIFICATION (When Filled In)

INTEGRATED PROGRAM MANAGEMENT REPORT
 FORMAT 2 - ORGANIZATIONAL CATEGORIES

DOLLARS IN Dollars

PENDING UPDATE TO
 OMB No. 0704-0188

1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract		a. FROM (YYYYMMDD) 2015 / 08 / 24	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE		b. TO (YYYYMMDD) 2015 / 09 / 30	
c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO <input checked="" type="checkbox"/> YES (YYYYMMDD) 2009 / 09 / 18			

WBS.Resp Org Group WBS.Resp Org Code ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL	VARIANCE		BUDGETED COST		ACTUAL	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	COST WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	COST WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
34 - Env Program & Strategic Pning	837	1,165	1,055	328	110	56,134	56,684	52,505	550	4,179	0	0	0	83,176	78,167	5,009
35 - Business Services	0	0	-134	0	134	472,524	472,524	448,488	0	24,036	0	0	0	472,524	448,488	24,036
36 - Prime Contract & Proj Integr	496	496	165	0	331	2,130	2,130	990	0	1,140	0	0	0	8,602	7,357	1,245
38 - Project Technical Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3B - PFP Closure Project	14,396	16,974	10,033	2,578	6,941	776,880	749,661	763,589	-27,219	-13,928	0	0	0	882,319	881,227	1,092
3C - Waste & Fuels Management Project	9,586	12,066	7,988	2,480	4,077	872,166	875,302	819,142	3,136	56,160	0	0	0	1,211,179	1,131,294	79,885
3D - Soil & Groundwater Remediation	15,433	14,874	13,292	-559	1,581	999,880	991,782	969,598	-8,098	22,184	0	0	0	1,371,430	1,317,452	53,978
3G - K Basin Oper & Plateau Remediation Project	11,993	12,556	14,295	563	-1,739	1,074,738	1,073,363	1,048,157	-1,375	25,206	0	0	0	1,396,679	1,380,352	16,327
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET														58,176	58,176	0
e. SUBTOTAL (Performance Measurement Baseline)	52,740	58,130	46,695	5,390	11,436	4,254,452	4,221,446	4,102,469	-33,006	118,977	0	0	0	5,484,085	5,302,513	181,572
f. MANAGEMENT RESERVE														62,278		
g. TOTAL	52,740	58,130	46,695	5,390	11,436	4,254,452	4,221,446	4,102,469	-33,006	118,977	0	0	0	5,546,363		

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS			Form Approved OMB No. 0704-0188	
1. CONTRACTOR CH2M HILL Plateau Remediation Company			2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE d. SHARE RATIO:			4. REPORT PERIOD a. FROM: 2015/08/24 b. TO: 2015/09/30							
b. LOCATION: Richland, WA							NO			YES X 9/18/2009							
5. CONTRACT DATA																	
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,215,875		c. CURRENT NEGOTIATED COST (A + B) \$5,528,242		d. ESTIMATED COST AUTH UNPRICED WORK \$18,176		e. CONTRACT BUDGET BASE (C + D) \$5,546,417		f. TOTAL ALLOCATED BUDGET \$5,546,363		g. DIFFERENCE (E - F) \$54				
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008		j. PLANNED COMPL DATE 9/30/2018		k. CONT COMPLETION DATE 9/30/2018			l. EST COMPLETION DATE 9/30/2018							
6. PERFORMANCE DATA																	
BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)																	
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)	UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)	
			+1 Oct-15 (4)	+2 Nov-15 (5)	+3 Dec-15 (6)	+4 Jan-16 (7)	+5 Feb-16 (8)	+6 Mar-16 (9)									
a. PM BASELINE (BEGIN OF PERIOD)																	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																	
BCR-011-15-005R0 - Incorporate RL-011.C1 Removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline																	
BCR-PRC-15-054R0 - Incorporate RL-011.C2 PFP Demolition Capital Asset Project Baseline																	
BCR-012-15-007R0 - Sludge Sampling and Nuclear Safety WBS Revisions																	
BCR-PRC-15-065R0 - Enhanced RCRA Compliance - Additional Records Support																	
BCR-030-15-029R0 - Additional MBR Cassettes																	
BCR-030-15-030R0 - Definitization of CO #268, Decommission 1100-EM-1 Cone Penetrometer and Soil Tubes																	
BCR-PRC-15-059R0 - Reinstate PBS RL-030 Work from CLIN 7																	
BCR-030-15-031R0 - CO #291, 200-IS-1 WIDS Information																	
BCR-PRC-15-064R0 - Increased Planning Capability																	
BCR-PRC-15-061R0 - Replace Rad Tractors																	
BCR-PRC-15-062R0 - Closure activities for 207A S. Retention Basin																	
BCR-PRC-15-060R0 - Design for REDOX Roof Replacement																	
BCR-041-15-016R0 - CO #289, Transfer of RCCC Work Scope to PRC - Part 1																	
BCR-013-15-015R0 - CO #269, WESF K3 Stabilization and Ventilation Project																	
BCR-013-15-018R0 - Cs/Sr Extended Storage - Update Acquisition Planning																	
BCR-013-15-017R0 - Definitization of CO #273, Accelerate TRU Repackaging																	
BCR-013-15-020R0 - CO #274, CWC Box NDA Campaign																	
BCR-013-15-022R0 - CO #276, Additional WESF Occupancy																	
BCR-013-15-019R0 - CO #279 SWITS Bar Code Reader																	
BCR-013-15-021R0 - CO #280, CWC Emergency Lighting																	
BCR-PRC-015-058R0 - Integrated Disposal Facility (IDF) - Prepare DSA and Update RCRA Part B Permit																	
BCR-PRC-15-063R0 - Alternatives Analysis Study for TRU/Mixed Waste Disposition Add'l Capabilities																	
BCR-PRC-15-055R0 - 200W Pump & Treat Facility Maintenance Realized Risk																	
BCR-PRC-15-069R0 - Changes to Undistributed Budget for Contract Modification 445																	
BCR-PRC-15-056R0 - Undistributed Budget Adjustments September 2015																	
BCR-041-15-018R0 - PBS RL-041 Undistributed Budget Adjustments - September 2015																	
c. PM BASELINE (END OF PERIOD)																	
7. MANAGEMENT RESERVE																	
8. TOTAL																	
	4,201,712	47,814	30,711	37,741	31,884	39,779	32,861	42,145	3,391,477	391,653	466,396	423,371	358,156	354,084	62,461	5,447,598	
											172	(288)	116			0	
											493	437	13,041			13,971	
											0					0	
											0	866				866	
											927					927	
											34					34	
												1,304	4,075	6,885		12,263	
											1,042	1,058				2,100	
											93	882				975	
											4	1,048				1,053	
											99	731				830	
												240				240	
											178	143				320	
											342	2,528				2,870	
											288	(14,199)	13,911			0	
											483					483	
											57	43				100	
											250					250	
											175	6				181	
											23	277				300	
												767				767	
												1,310				1,310	
											268	668				936	
															(2,096)	(2,096)	
															(1,871)	(1,871)	
															(320)	(320)	
	4,254,452	52,740	31,984	39,018	32,749	39,685	32,115	42,077	3,391,477	391,653	471,323	421,189	389,300	360,969	58,175	5,484,085	
																62,278	
																5,546,363	

CLASSIFICATION (When Filled In)															
CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING												FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD					
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD					
a. NAME			a. NAME				a. NAME			a. FROM (YYYYMMDD)					
CH2M HILL Plateau Remediation Company			Plateau Remediation Contract				Plateau Remediation Contract			2015 / 08 / 24					
b. LOCATION (Address and ZIP Code)			b. NUMBER				b. PHASE			b. TO (YYYYMMDD)					
Richland, WA			RL14788							2015 / 09 / 30					
			c. TYPE		d. SHARE RATIO		c. EVMS ACCEPTANCE								
			CPAF				YES 2009 / 09 / 18								
5. PERFORMANCE DATA															
Organizational Breakdown Structure (OBS) (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)									AT COMPLETION (15)			
			SIX MONTH FORECAST BY MONTH (Enter names of months)										REMAIN FY2016 (10)	FY2017 (11)	FY2018 (12)
			+1 OCT 2015 (4)	+2 NOV 2015 (5)	+3 DEC 2015 (6)	+4 JAN 2106 (7)	+5 FEB 2016 (8)	+6 MAR 2106 (9)							
300 - Office of the President	5	498	5	5	5	5	5	5	5	5	27	63	63	683	
303 - Internal Audit	5	362	5	5	5	5	5	5	5	5	25	60	60	537	
304 - General Counsel	4	345	5	5	5	5	5	5	5	5	27	60	60	521	
31 - Communications	9	815	9	9	9	9	9	9	9	9	45	108	108	1130	
32 - Safety Health Security & Quality	56	5880	62	62	62	62	62	63	63	63	312	774	775	8115	
34 - Env Program & Strategic Plng	42	3829	46	44	43	41	41	41	41	41	203	564	564	5414	
35 - Business Services	58	6258	62	62	62	62	62	62	63	63	313	735	737	8415	
36 - Prime Contract & Proj Integr	50	3663	61	61	61	61	61	61	61	61	305	667	658	5661	
38 - Project Technical Services	34	4848	35	35	35	35	35	35	35	35	176	439	438	6113	
3B - PFP Closure Project	388	41226	427	392	343	346	397	315	315	315	1262	357	0	45065	
3C - W&FMP	292	41698	314	306	295	292	287	295	295	295	1438	3409	3436	51772	
3D - Soil & Groundwater Remediation	317	29077	296	264	262	265	272	268	268	268	1305	3575	4042	39628	
3G - KBO&PR Project	295	39620	320	354	358	374	350	331	331	331	1547	3773	3711	50737	
Grand Totals	1555	178118	1647	1606	1546	1564	1594	1497	1497	1497	6984	14583	14652	223792	

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR		2. CONTRACT			3. PROGRAM		4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract		a. FROM (YYYY/MM/DD) 2015/8/24		
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER DE-AC06-08RL14788			b. PHASE Base		b. TO (YYYY/MM/DD) 2015/09/30		
		c. TYPE CPAF	d. SHARE RATIO		c. EVMS ACCEPTANCE 2009/09/18 NO YES X				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	52,740	58,130	46,694	5,390	10%	11,436	20%	1.10	1.24
Cumulative:	4,254,452	4,221,446	4,102,469	-33,006	-1%	118,978	3%	0.99	1.03
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	5,484,085	5,302,513	181,572	3%	1.05				
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The current month favorable schedule variance is due in part to RL-011 working historical 242-Z Control Room, Tank Room, and Mezzanine scope in the current period and recognized efficiencies in performing PRF Canyon NDA/Characterization and Filter Box 19 isolation. RL-013 schedule recovery for TRU Large Box Shipments to PFNW, as well as the return of a shipment from PFNW that was accelerated from FY2016 to FY2015 to enable completion of the draft TPA milestone for 280 cubic meters in FY2015. This is partially offset by work in the 234-5Z duct level at PFP lagging as a result of resources being reassigned to work other critical path priority work scope (i.e., PRF, 242-Z, and RMA/RMC glovebox removal).</p> <p>Current Period Cost Variance: The current month favorable cost variance is due in part to RL-011 implementing BCR 011-15-005R0 a DOE request to CHPRC to develop and submit revised Capital Asset baseline and documentation to support DOE-HQ approval of RL-011.C1., Removal of 174 Glove Boxes from 234-5Z, Baseline Change Proposal (BCP). The BCP modified the remaining project scope to include activities and cost required to support removal of gloveboxes/hoods from the 234-5Z facility prior to and during demolition. RL-030 is experiencing efficiencies in the Groundwater Monitoring and Performance Assessment account associated with the use of lower analytical laboratory costs due to the use of offsite laboratories, lower geophysical logging costs during well drilling due to the competitive procurement process, and lower groundwater sample collection costs due to leveraging sampling staff on OHC and special sampling requests (project-specific) this month. This variance is partially offset by RL-012 accruing for claims for the Annex Facility Construction pending final negotiations and closeout with the Contractor.</p> <p>Cumulative Schedule Variance: The variance is within reporting thresholds.</p> <p>Cumulative Cost Variance: The variance is within reporting thresholds.</p>									
Impact:									
<p>Current Period Schedule: No significant impact overall.</p> <p>Current Period Cost: No significant impact overall, as the lifecycle EAC already reflects these changes.</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Corrective Action:									
<p>Current Period Schedule: Upon completion of work in 234-5Z RMA line and backside field work resources will transition to begin work on process vacuum line removal in 234-5Z. It was anticipated that this would occur in September 2015, but in order to finish up RMA/RMC high hazard glovebox size reduction, the transition has been delayed. The team has now been reassigned to finish in-situ size reduction activities associated with the HA-9A and HC-9B gloveboxes. The team was expected to transition to balance of 234-5Z in September, however, due to delays with difficult cuts on the HC-9B glovebox, the team will now be available in November. The project is initiating a drain line grouting concept that will provide acceleration of efficiencies to remove the drain lines in the basement of 234-5Z. Preparations have been delayed due to team assignments associated with PRF column glovebox and 234-5Z process vacuum piping removal efforts. Residual liquid draining and drain line grout preparations were scheduled to begin in June. However, the team scheduled to initiate drain line prep work was reassigned to support PRF MT bulk area cleanout and column glovebox removal. This will delay the completion of drain remediation as the team was not expected to transition to the drain lines in 234-5Z until October 2015. D&D discrete work activities and will continue to align with the end date of the PFP Project.</p> <p>Current Period Cost: EAC has been adjusted accordingly.</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Monthly Summary (to include technical causes of VARs, Impacts, and Corrective Action(s):									
<p>CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$181.6 million with \$62.3 million of Management Reserve for a total positive variance of \$243.9 million. For September, the project was 10.2 percent ahead of schedule and 19.7 percent under planned cost. CTD, the project was 0.8 percent behind schedule and 2.8 percent under planned cost.</p>									

FORMAT 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

No other specific Corrective Actions are planned at this time.
There were no significant baseline changes in the current reporting period.

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a +\$181.5 million and +3% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$18,176
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$1,8176

Use of Management Reserve (MR), Fee Activity and Undistributed Budget (UB):

MR Utilization

BCR Number	Title	Fiscal Year	MR
BCR-PRC-15-067R0	Move Balance of FY 2015 Management Reserve to FY2016	2015 - 2018	NA
BCR-041-15-017R0	Move PBS RL-041 Management Reserve to FY2016	2015 - 2018	NA
BCR-PRC-15-055R0	200W Pump & Treat Facility Maintenance Realized Risk	2015 - 2018	\$936K
BCR-PRC-15-054R0	Incorporate RL-011.C2 PFP Demolition Capital Asset Project Baseline	2015 - 2018	\$13,971K

Overall, there was a decrease of \$14,907K to Management Reserve during September.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCRA-PRC-070R0	Fee Reconciliation	2014 - 2018	\$3,404K

Overall, there was increase of \$3,404K to Fee during September.

UB Activity

BCR Number	Title	Fiscal Year	UB
BCR-PRC-15-069R0	Changes to Undistributed Budget for Contract Modification 445	2015 - 2018	\$2,096K
BCR-PRC-15-056R0	Undistributed Budget Adjustments September 2015	2015 - 2018	\$1,871K
BCR-041-15-018R0	PBS RL-041 Undistributed Budget Adjustments - September 2015	2015 - 2018	\$320K

Overall, there was an decreased by \$4,287K for Undistributed Budget in September

Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the ACWP plus the ECWR or BCWR if greater plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized), plus the scope identified in the Trend Log that is not in the EAC. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

Prepared by: Project Control Staff	Date: 10/20/2015	Approved by:	Date:
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Appendix B

Project Services and Support (WBS 000)



T. L. Vaughn
Vice President for
Safety, Health, Security
and Quality

M. A. Wright
Vice President for
Project Technical
Services

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

M. N. Jaraysi
Vice President for
Environmental Program
and Strategic Planning

D. A. Millikin
Director of
Communications

R. M. Millikin
Vice President for
Prime Contract and
Project Integration

V. M. Bogenberger
Vice President for
Business Services
Chief Financial Officer

PROGRAM SUMMARY

Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of cross-cutting services.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 82 percent by compressing occupancy and vacating underutilized facilities. Vacated/unoccupied facilities declared unusable and designated inactive placed in Care Taker system.	9/30/15	100%
15-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into at least 90 percent of CHPRC onsite/offsite event contracts. Train staff on “green” event planning, contract terms, and policy.	9/30/15	100%
15-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Establish green catalogs for products beyond office supply purchases on the web site and assuring the GSA supplier has been educated on this objective.	10/9/15	100%
15-EMS-ADMIN-OB3-T2	Reduce generation of paper waste.	Migrate 95 percent of all record generation to paperless. All records will be reviewed and moved into IDMS for permanent storage.	9/30/15	100%
15-EMS-ADMIN-OB4-T1	To expedite chemical Reportable Quantity (RQ) identification by the CHPRC single point of contact (SPOC) during a release or spill.	Develop RQ table for the single point of contact (SPOC) at CHPRC to use when evaluating a release or spill.	9/30/15	100%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	8	<ul style="list-style-type: none"> 9/23/15 - PTS employee exited the work station, realized they had forgot their glasses, turned around and struck forehead on support post. (23820)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Safety, Health, Security, and Quality (SHS&Q)

- SHS&Q activities provide support and technical services to all CHPRC projects and central management of crosscutting services. There was one reported first aid injury during the month of September.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees. One site-wide program, DOE-0346, *Hanford Site Fall Protection Program*, is pending implementation of Revision 1A. DOE-0360, *Hanford Site Confined Space Procedure*, was revised and implemented on October 2, 2015. 2 other site-wide committees (DOE-0344, *Hanford Site Excavation, Trenching and Shoring Procedure*; and DOE-0352, *Hanford Site Respiratory Protection Program*); are going through the revision process at this time.
 - Continued implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium assessments have been completed on 959 CHPRC facilities. Beryllium characterizations have been completed on 635 CHPRC facilities.
 - Revisions to CBDPP Revision 3 are in the final stages and being routed for signature.
 - Provided training to HPMC Beryllium Nurse Case Manager on Beryllium Handbook counseling.
 - Continued to provide field ergonomic assessments and office ergonomic assessments throughout all PRC projects.
 - Continued to provide support to PFP for respiratory protection issues and the issue regarding the alternate harness for the PremAire Breathing System. A position paper to RL is being prepared following the 10 CFR 851 variance process for using a harness that was not NIOSH tested with the original Mission Support Alliance (MSA) breathing system.
 - Continued to work with Sample Management in resolving issues with the handling and shipping of IH samples.
 - Completed an Independent Assessment of CHPRC's implementation of the Hanford Site Respiratory Protection Program.

- Supported the efforts to establish the respiratory protection electronic tracking system at KBO&PR.
- Continued support to W&FMP and KBO&PR for Oversight of Confined Space work activities.
- Continued facilitation of a Certified Industrial Hygiene study group for CHPRC IH staff
- Provided support to PFP, Project Technical Services (PTS), and W&FMP for asbestos characterization activities.
- Provided support to the PFP Cause Evaluation for the identified emerging trend of injuries and radiological issues.
- Began planning for the VPP Self-Assessment during October 26 through November 5.
- o Radiological Control accomplishments:
 - Working corrective actions to support CHPRC RMA management improvement plan submitted to RL.
 - Supported 10 CFR 835 Subpart G, *Posting and Labeling* triennial assessment activities.
 - Completed Work Site Assessment on Radiological Work Planning and Assessment on Radiological Shipments.
 - Began implementation of Survey Simple following completion of conversion to web-based application.
 - Approved 23 Administrative Control Limit extensions for PFP personnel.
 - Supported RCCC Transition planning.
 - Supported PFP in assembling an experienced team to facilitate improvement strategies regarding radiological decontamination.
 - Supported PFP in determining path forward concerning revising radiological hazard screening levels to support routine activities.
 - Continued to support PFP in implementing compensatory measures to address recent radiological events.
- o Nuclear Safety accomplishments:
 - Safety Basis documents and letters transmitted to RL include:
 - Email, CHPRC-1504169, dated September 16, 2015, *CHPRC-1504169 – HNF-14804 Revision 6 B Plant Documented Safety Analysis 2015 Annual Update*.
 - Letter, CHPRC-1501201, dated September 22, 2015, *Transmittal of the 2015 Annual Update to CP-14977, Revision 8, Plutonium Uranium Extraction Facility Documented Safety Analysis, and the Unreviewed Safety Question Determination Summary*.
 - Email, CHPRC-1504411, dated September 29, 2015, *Sludge Treatment Project Engineered Retrieval and Transfer System Preliminary Documented Safety Analysis, Revision 2, and Safety Design Strategy, Revision 7*.
 - Letters received from RL include:
 - Letter, 15-NSD-0065_RL, dated September 18, 2015, *Submittal of the Annual Update of the Documented Safety Analysis (DSA), for the Fast Flux Test Facility (FFTF), FFTF-36419, Revision 3 Safety Basis, and Unreviewed Safety Question Determination Summary*.
 - Criticality Safety
 - Fourth Quarter WFMP/CPS&M Criticality Safety Assessment completed.
 - CSER 15-001, *Criticality Safety Evaluation Report for Cementitious Grouting of the PRF Canyon Floor*, released.
 - Transportation Safety
 - Letter, CHPRC-1504055, dated September 10, 2015, *Request for Approval of the Package-Specific Safety Document for Steel Drums, CHPRC-01039, Revision 3*.
 - Authorization of CE-SPA-PNNL-2015-001, Revision 1, PNNL Debris.

- Received RL approval of the CHPRC-02331, *Tiedown Plan for the Metal IP-1 Package with the 231-DR-11 Mixed Waste Container to Trailer HO-64-05716.*
- Attended Factory Tour and UN Drum Testing at Myers Factory.
- Submitted CHPRC-02635, *Load Securement Plan for the 6x4x4 Box* to RL for review and approval.
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Continued presentations on “Doing Work Safely” with presentations continuing into October.
 - Briefed Senior Management team on results of the Safety Culture Survey and path forward.
 - Briefed General Site Operations team on Safety Culture Sustainment Plan status and the overall results of the Safety Culture Survey.
 - Supported the PFP DSA Revision 12 Implementation Verification Review.
 - Completed 15 surveillances covering the fabrication of ECRTS components and K-Annex construction as well as implementation Engineering Configuration Management.
 - Supported RCCC Transition Planning efforts.
 - Continued support of K-Basin Engineering in the development of a technical basis for historical Cold Vacuum Drying Facility data files.
 - Continued coordination of the Level B suit task team. Draft checklist has been authored and under review.
 - Conducted a three day Auditing Methods for Lead Auditors class with attendance from Washington River Protection Solutions (WRPS), MSA, CHPRC, and RL.
 - Worked with S&GRP on proper classification of a suspect/counterfeit hoist lifting hook and pulley assembly.
 - Supported PTS in the presentation of our measuring and test equipment barcode inventory system to MSA staff.
 - Continued support to Chief Information Officers (CIO) Office & Lockheed Martin Services, Inc. (LMSI) in the review and determination of Office of Civilian Radioactive Waste Management (OCRWM) records.
 - Completed and issued SHSQ-2015-SURV-15095 surveillance to ensure required assessments are scheduled in support of the FY2016 Integrated Evaluation Plan (IEP) development.
 - Supported CHPRC Environmental for response to Washington State Department of Ecology (WDOE) for RCRA Contingency Plan definition.
- o Fire Protection accomplishments:
 - Central FPE support for PFP work packages is being provided to reduce the backlog.
 - FPE Work Package review: 2403WA Roof repair job – involved in reviewing roofing material.
 - Fire Protection and Human Resources (HR) personnel attended the Oklahoma State University Career Fair and established contacts with several possible candidates for employment.
 - Fire Protection provided support for the Annex Construction Project. A proposed hydrostatic test for the sprinkler system had to be delayed due to documentation supporting the pipe welding procedures and hydrostatic test procedures.
 - A number of Inspection, Testing and Maintenance (IT&M) testing requirements entered the Grace period due to issues with procedural updates ongoing with MSA Fire System Maintenance.
 - Hired two engineers to provide a monitoring function for IT&M activities and have been working through qualifications and training including functionality of the Job Control System (JCS).

- TSR Surveillances:
 - 2X-15-05185/S, LLBG 3 Month Combustible Surveillance (TSR) – Completed and returned to Operations September 8, 2015.
 - 2X-15-05693/S, LLBG 1 Year Fire Surveillance Assessment of Fire Hazard Analysis (FHA) Key Assumptions (TSR) – Completed, Signed and returned to Operations September 22, 2015.
 - W1-15-05199/S, WRAP 3 Month Combustible Surveillance (TSR) – Completed and returned to Operations September 9, 2015.
- Facility Fire protection Assessments:
 - FFTF Building 403
 - 225BA – FPA 2015-09
 - 225BB – FPA 2015-09
 - 225BG – FPA 2015-09
 - 225BG-Gen1 – FPA 2015-09
 - 2902HV82
 - 272HV
 - 212H
- Scheduling for Central Plateau Surveillance and Maintenance (CPS&M) facilities is in progress and walk downs are occurring in PUREX, B Plant and REDOX facilities.
- Fire Hazard Analyses:
 - The 105KW Annex Preliminary FHA is complete and has been sent for external reviews.
 - The PFP FHA is complete and has been sent for external reviews.
 - The T-Plant FHA has two small sections to be completed.
 - The REDOX FHA is being developed and is in the early stages.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
 - o **Status:** Continued implementation of Revision 2A across CHPRC. Comment resolution is complete for Revision 3 and is being routed for signature.
 - o **Action:** Beryllium (Be) facility assessments and characterization continues as scheduled. Beryllium facility assessments have been completed on 959 CHPRC facilities.
 - o **Issue:** Accident & Injury Reduction.
 - o **Status:** Continue investigating recordable, DART, and first aid injuries to determine cause, prevention, reduction, to prevent recurrence.
 - o **Action:** Continued to interface with project personnel, supporting Employee Zero Accident Council (EZAC) and project safety meetings for continued focus on injury prevention. Recordable injury trend across the PRC is of concern. Projects have identified and are implementing additional actions which are resulting in reducing injuries and first aids.
 - o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward.
 - o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
 - o **Action:** Supporting PFP initiatives, supplied breathing air system issues; radiological & safety trends, FHA Revision 5, and DSA Revision 13 development.
 - o **Issue:** Fire Protection program weaknesses.
 - o **Status:** Program weaknesses are being identified and Corrective Actions are underway to improve program. Additional personnel resources are being hired to support projects.
 - o **Action:** Working with MSA to work off CHPRC back log items on the MSA IT&M log. Working with CHPRC projects to schedule and perform back log of facility fire protection assessments. Interfacing with Hanford Fire Department (HFD) to qualify additional deputy fire marshals for CHPRC.

Environmental Program and Strategic Planning (EP&SP)**Environmental Protection****• Compliance Status**

- o CHPRC and RL resolved WDOH comments on the draft notice of construction application (NOCA) for ventilation upgrades at WESF, in support of the cell stabilization project. The NOCA was finalized and transmitted to RL on September 29, 2015 for formal submittal to WDOH.
- o CHPRC assisted in preparing a position statement on two letters from EPA limiting acceptance of CERCLA waste at the CWC and LLBG. These were based on earlier EPA inspection concerns. The limits could adversely affect our ability to manage waste generated by PFP.
- o RL and CHPRC received an advance copy of Ecology's groundwater monitoring RCRA inspection report for several TSD units. The report alleged six violations, and conveyed seven additional concerns. EP&SP and S&GW have begun a factual accuracy and regulatory review of the report. Formal response is due to Ecology early December.
- o RL received a letter from WDOH and Ecology notifying RL that the lack of continuous air monitors (CAMs), and the sampling of the Canister Storage Building stack below the sampling system's qualified stack flow range, are considered High Priority Violations (HPV). This followed the May 11, WDOH and Ecology notification to RL that the loss of continuous stack sampling at PUREX was placed on the HPV list. CHPRC has conducted a regulatory review of the CAMs allegations, and has concluded the allegations lack merit. RL has concurred, and is sending letters to WDOH and Ecology responding to all allegations.
- o Following Ecology approval of the RCRA temporary authorization and RL approval of the CERCLA Time Critical Removal Action Memorandum for closure waste disposal into ERDF, 207 A retention basin closure activities began on September 28, 2015.

Environmental Compliance & Quality Assurance (ECQA)**• Assessment Program**

- o An external third-party assessment of the WCH Environmental Management System (EMS) was completed on September 21, 2015. Results of the assessment indicated that WCH could declare its EMS to be in conformance with the international EMS standard ISO 14001:2004.
- o A surveillance to review of the process outlined in PRC-PRO-EP-40205, Environmental Calculation Preparation and Issue, was completed on September 14, 2015. The surveillance focused on responsibilities and actions for documenting environmental calculations.
- o ECQA initiated planning for FY2016 assessments in September by entering the following into the Integrated Evaluation Plan: 10 Management Assessments; 3 Independent Assessment; and, 23 Surveillances. In addition, 11 Surveillances will be performed to verify the effectiveness of corrective actions associated with the FY2015 Clean Sweep Independent Assessment.
- o ECQA performed or facilitated 21 planned assessments in FY2015 including four Management Reviews, four Independent Assessments, 10 Surveillances, one Worksite Assessment, one CH2M HILL corporate audit and one EMS Registration Audit. Assessment resulted in 67 Findings and 70 Opportunities for Improvement. ECQA also performed an internal audit and an external third-party audit of the WCH EMS during FY2015.

• Corrective Actions

- o CRRS Environmental Trending Codes are being updated to improve the tracking and trending ability within CRRS.

Business Services**• Acquisition Planning:**

- o Completed the establishment of FY2016 DOE-EM complex-wide strategic sourcing savings. Based on an expected actionable spend of \$919 million across the complex, strategic sourcing savings goal for FY2016 is \$36.8 million. CHPRC's subset goal will be \$2.923 million of this total.
- o Developed and submitted the initial 90-day look ahead report per revised acquisition threshold letter.
- o Completed and released the procurement assessment on the flow-down of terms and conditions to lower-tier subcontractors. No significant findings. An opportunity for improvement in the submittal/review process was identified.
- o Completed evaluation of security software that would permit the use of electronic signatures on pdf formatted documents. This is part of the FY2016 EMS initiative to reduce the amount of hard-copy documents and limit the use of paper and printer toner to conduct day-to-day business.
- o Participated in a site-wide Six Sigma review of on-board/off-board process for site personnel including subcontractors.
- o Developed the preliminary documents listing for RCCC Transition activities and coordinated the cost estimates for transition planning.
- o Performed market research on and made contact with low boy trailer manufacturers for the purposes of developing a competitive proposal for RFP 281359 valued at \$350K.
- o Performed market research on and made contact with tractor retailers/manufacturers for the purposes of developing a competitive proposal for RFP 281757 "Modified Tractor with Radiological Detectors" valued at \$352K.
- o Participated in an alternative analysis evaluation session for the Capsule Extended Storage Project.
- o Developed the acquisition strategy for S&GRP field construction work. This work has been recently performed as time and material tasks. A strategy was developed to make follow-on work done on lower risk fixed-unit rate basis.

• Facilities & Property Management (F&PM):

- o Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 91 percent of 3,407 items through September 2015.
- o FY2015 KPMG property audit draft results were received and formally responded to. Exit telecom was held on Tuesday, September 22, 2015. Currently awaiting formal direction from RL. CHPRC believes the results represent continuous improvement opportunities.
- o Continued efforts to consider relocation of three self-contained mobile offices used at PFP to support 100K future D&D activities. The 100K project has decided to lease and place new units at 100K as the cost to lease, relocate, and repair units at PFP is cost prohibitive. The 3 mobile offices at PFP will be demolished.
- o Continued working with PTS to execute the roof replacement for MO743, a landlord facility. Roof replacement project starting week of October 5, 2015.
- o Continued with the re-aligning of asset responsibilities and assignments as a result of the split in the DWF&RS organization to KBO&PR and W&FMP. Re-alignment of assets and assignments complete for DWF&RS. 80 percent complete for separation of S&M to KBO&PR. New org codes established for personnel and assignments.
- o Assisted W&FMP with additional space requirement on facilities at B-Plant for the storage of CESTR capsules and contractor office space. Re-location of MO2237 is complete with occupancy permit. MOD to MO408 complete with occupancy permit.
- o Completed the collection of FY2015 occupancy statistics for CHPRC EMS goal validation. FY2015 occupancy validation complete.

- **Finance:**
 - Continued to support KPMG requests for data related to the ongoing FY2012-FY2013 incurred cost audits.
 - CHPRC successfully closed FY2015 with actual costs below authorized funding in all funding control points, and has \$58.7 million of carryover base funding to start FY2016.
 - Supported KPMG Accounting System Review.
 - Submitted FY2016 Forward Pricing Rates, incorporating KPMG recommendations from FY2015 rate review.
 - Submitted Second Quarter FY2016 Conference Travel Requests.
- **Human Resources:**
 - HR Staffing Representative attended the Veteran Resume Help Session at WorkSource Columbia Basin.
 - CHPRC representatives attended the Engineering and Technical Career Fair at Oklahoma State University to recruit Fire Protection Engineering students. 3 students graduating in December 2015 are scheduled for interview on October 8, 2015. We also received several resumes of interested summer interns from engineering students of all backgrounds (Mechanical, Civil, Electrical, Chemical, Biology, Fire Protection, Safety, etc.).
 - HR met with career center representative at Heritage University in Toppenish to initiate a relationship between CHPRC and the school. The meeting was an outreach effort to increase our opportunity for diverse candidates to recruit into our Cooperative Student Employee Program, especially for students pursuing engineering and business related degrees.
 - CHPRC prepared an estimate for the Human Resources Transition plan for the RCCC Transition.
 - Completed the planned Plutonium Finishing Plant Work Force Restructuring involving 11 craft (2 Chemical Technologists and 9 MSA craft).
- **Labor Relations:**
 - Union Negotiations: On September 14, 2015, CHPRC reopened its Collective Bargaining Agreement (CBA) with HAMTC for the limited purpose of negotiating wage rates and health plan items (excluding pensions and savings plans) for the final 2 years of our CBA contract. The parties reached a Tentative Agreement on September 29, 2015. In addition, the parties negotiated a one-year extension to the current CBA. HAMTC recommended ratification to their members with the vote scheduled for October 22, 2015.
 - PRC-014-108 scheduled for arbitration on September 30, 2015, was postponed due to competing resources to support CBA negotiations. Working to reschedule in late January or February 2016.
 - The union is not proceeding with arbitration on the three grievances associated with the most recent arbitration award in regards to payment of OT.
- **Procurement:**
 - Awarded/amended 204 contracts with a total value of \$14.4 million. Additionally, awarded 175 new material purchase orders valued at \$1.1 million to support ongoing project objectives.
 - At the end of the first 84 months of the PRC, procurement volume has been significant; \$2.27 billion in contract activity has been recorded with approximately 51.85 percent, or \$1.17 billion, in awards to small businesses. This includes 6,997 contract releases, 19,577 Purchase Orders, and 231,601 P-Card transactions.
 - Contract 55705-1 was awarded to Intermech on September 15, 2015. This contract is firm fixed price for W-130 WESF Core Drilling and Stabilization. The FY2015 authorized value for this contract is \$106,400. The award value for this contract will be \$2,899,000.
 - Contract 55705-2 was awarded to Intermech on September 15, 2015. This contract is firm fixed price for WESF W-130 Ventilation. The FY2015 authorized value for this contract is \$495,000. The award value for this contract will be \$2,728,000.
 - Contract 55747-01 was awarded to Apollo Mechanical Contractors on a Limited Notice to Proceed (LNTTP) on August 27, 2015. This contract is firm fixed price to begin the mobilization

activities for STP Sample Tube & Two Sections SCS Containers Removal and Installation of New Lids. The LNTP is valued at \$300,000. The total award value for this contract will be \$1,334,670.

- o Contract 48772-16 was awarded to Stillwater, LLC on September 24, 2015 (LNTP Issued August 21, 2015 for mobilization activities). This contract is a firm fixed unit price contract to install 9 push boreholes in 200-DV-1, plus 12 optional boreholes. The value of this contract is \$324,264.
- o Contract 58084 was awarded to Quality Inspection Services, Inc. on September 14, 2015. This contract is a firm fixed unit price contract for WESF W-130 grout testing. The award value of this contract is \$71,150.
- o All FY2015 EMS goals met.

Prime Contract and Project Integration (PC&PI)

• **Contract Compliance and Change Management (CC&CM):**

- o In September, CC&CM received and processed 15 contract modifications (numbers 429, 431-435, and 437-445) from RL.
- o The Correspondence Review Team received and determined the distribution for 82 incoming letters/documents. The Prime Contract Compliance Manager reviewed 55 outgoing correspondence packages.
- o Worked with RL Contracting Officer on Contract Modification 445 that transferred work between Table B.4-1, which contains Contract Line Item Number (CLIN) 1-6 and B.4-2, which contains CLIN 7. CLIN 7 contains work that was originally in Table B.4-1, CLINs 1-5. The effect of this modification is to remove lower priority work from Table B.4-1, and replace it with higher priority work currently contained within CLIN 7.
- o Submitted one Notice of Change letter CHPRC-1504617 for Environmental and Regulatory Compliance Enhancements at Waste Management Facilities.
- o Received Contract Mod 439 that incorporates the FY2016 Performance Evaluation and Measurement Plan (PEMP) into the PRC.
- o Continued RCCC Transition planning efforts.
- o Began preparing Change Proposal detailed estimate for RCCC Transition.
- o Briefed RL Technical lead for RCCC Transition on planning approach.
- o Held internal briefings on known WCH project scope.
- o Established a CHPRC RCCC Transition war room and SharePoint site. WCH Senior Management and RL met to discuss RCCC Transition and path forward.
- o Held initial CHPRC/WCH Transition Point of Contact (POC) meetings.
- o Processed a BCR for initial RCCC Transition costs for PRC CO 289, RCCC Transition.

Change Proposal (CP) /REA Summary

CPs submitted on or ahead of due date	CPs submitted after the due date	REAs submitted	Supplemental Information submitted/ Tina Sweep	CPs Definitized on or ahead of 180-day metric	CPs Definitized after 180-day metric	Other Proposals/ REAs Definitized
3	0	1	2	3	0	0

- o Estimating & Program Support (ESS) provided the following support to the Projects.
- o PFP:
 - Received Change Order (CO) 297, 242-Z/236-Z Slab Removal Documentation, on September 15, 2015 and conducted a kick off meeting for the proposal effort on September 23, 2015.

- o **KBO&PR:**
 - Participated in the EM-53 Review of the Capital Asset Project estimate on September 15-17, 2015. Continued work to incorporate schedule, resource and documentation changes to the estimate in preparation for information submittals due in October 2015.
 - Submitted REA-1449, Surveillance, Maintenance and Decommissioning for 200-ZP-1 Process Facility and Ancillary Buildings, on September 28, 2015.
 - Submitted supplemental information based on Truth in Negotiation Act (TINA) results for proposal PRO-1535 Assignment of Unassigned Waste Sites in WIDS, on September 24, 2015.
- o **WF&RS:**
 - Supported definitization of two change proposals on the dates indicated:
 - CO 273, Accelerate TRU Repackaging, on September 3, 2015.
 - CO 290, Canister Storage Building Stack Modeling on September 24, 2015.
 - Conducted a proposal briefing to RL for CO 269, WESF K3 Ventilation and Stabilization Project Implementation, on September 2, 2015.
- o **S&GRP:**
 - Supported definitization of CO 267, 200-UP-1 Southeast Chrome Plume Characterization, Evaluation and Remedial Design (submitted a proposal PRO-1511), on September 29, 2015.
 - Submitted CHPRC’s corresponding change proposals for the following CO’s on the dates indicated:
 - CO 291 – 200-IS-1 WIDS Information, on September 17, 2015.
 - CO 292 – 200-SW-1 RI/FS Work Plan aerial Rad Survey, on September 17, 2015.
 - CO 293 – 100-BC-5 RI FS Decisional Re-write, on September 28, 2015.
 - Received three COs on the dates indicated:
 - CO 295 – 200-IS-1 Geographic Interface Segmentation, on September 21, 2015.
 - CO 298 – 200-IS-1 Waste Site Change Package and Work Plan Update, on September 23, 2015. A kick-off meeting for the proposal effort was conducted on September 28, 2015.
 - CO 299 – 200W Pump & Treatment System Membrane Bioreactor Cassette Additions, on September 28, 2015.
- o **SHS&Q**
 - Submitted supplemental information, supporting an impact assessment for DOE-0336 Hanford Site Lockout/Tagout Procedure, Revision 2A, on September 22, 2015.
- o Estimating and Program Support completed implementation of the FY2016 Forward Pricing Rates in the Sage estimating software on September 22, 2015. The quarterly update of material pricing in the Sage estimating database was also completed on September 30, 2015.
- **Earned Value Management System (EVMS) Compliance and Reporting:**
 - o The Variance Analysis Reporting System (VARs) Tool was successfully implemented with a small group of Control Account Managers in September for the August financial data. The tool will allow CAMs to evaluate, track, identify corrective actions, and bring to closure all cost and schedule variances under their responsibility, via a web application. Because of the success in September, additional Control Accounts will be brought into the tool in October.
 - o Submitted to RL the Annual Performance Measurement Baseline (PMB) update on September 14, 2015. This deliverable incorporated RL comments, which supported work authorization for FY2016.
 - o Continued efforts to increase EVMS awareness and effective variance analysis reporting by providing multiple Variance Analysis, Fiscal Year-End Accrual, and Baseline Change Request

- training classes to CHPRC Vice Presidents, Project Manager, CAMs, and Project Controls personnel.
- o Project Time & Cost presented CHPRC's two-day EVM class to CHPRC personnel representing project and central organizations. The presentation material was compiled by CHPRC EVMS Compliance and Reporting personnel.
 - o Continued to support RCCC Transition planning with emphases on RCCC EVMS data.
 - o Progress continued to be made on EVM Assessment Corrective Actions. Completed 52 of 68 actions (76 percent complete).
- **Information and Interface Management:**
 - **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Continued discussions with WRPS regarding Vent & Balance annual forecasting and improving the communication process.
 - Attended the monthly Integrated Biological Control (IBC) Working Group Meeting. Pre-emergent spraying for vegetation control will begin now with the onset of cooler, more humid weather.
 - Started second half of FY2015 Annual Document Reviews of CHPRC Administrative Interface Agreements.
 - Completed and transmitted the annual Service Level Agreement (SLA) with ATL.
 - o Inter-Contractor Issue Resolution:
 - Attended weekly field interface and resource allocation meetings.
 - Participated in regular Interface Management leadership meetings with MSA and WRPS.
 - Participated in the monthly Contractor Interface Board meeting with MSA and WRPS.
 - Continued working with Hanford Fire Department, CHPRC Projects (SWOC/PFP), and CHPRC Work Control to improve communications, and streamline planning/corrective maintenance items.
 - Continued facilitating discussions between WRPS and CHPRC regarding review of the WIDS work for others SOW. Requirements matrix was completed and the SOW is with WRPS for review and comment.
 - Continued working with MSA to develop a higher-level AIA between MSA and OHCs to delineate the USQ process for process-related procedures and activities (excluding fire systems, water utilities etc.) relative to work performed by OHCs in Contractor radiological facilities.
 - o Controlling and Service Agreements:
 - Continued efforts in supporting annual review of the J.3 Service Delivery Documents.
 - Continued working with Engineering Services personnel to develop or revise an interface document with MSA Electrical Utilities.
 - Published HNF-46148, Water Services ICD.
 - o Internal Operations:
 - Working CRRS item CR-2015-0924 addressing efficient communications between Hanford Fire Department and CHPRC facility work management representatives.
 - Continued to update internal website.
 - Continued routine discussions with CHPRC equipment calibration lead regarding performance issues of the subcontractor providing calibrations services.
 - Continue to participate in planning for the RCCC Transition.
 - Completed ECPIC Baseline Year 2017 Records and Information Technology investment planning input.
 - Completed development of a spreadsheet to cross walk J.13 and J.14 table structures against the other site property/structures databases (i.e., CareTaker II, FIMS and SAMS).

- Published Volume 9 of “Be in the Know”, Very High Fire Danger on September 15, 2015.
- **Information Management:**
 - o Provided Information Technology (IT), event logistics, and facilitation support to EZAC, PZAC, and various onsite and offsite meetings.
 - o Provided information clearance and release support for KBO&PR, S&GRP, W&FM, SHS&Q and PTS documents.
 - o Supported numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
 - o Continued additional support has been placed at the MO-287 Records Processing Center to meet increased demands.
 - o Initiated planning and communication for upcoming PFP records retrieval.
 - o Processed 26,411 Electronic Records into the IDMS.
- **Performance Analysis and Risk Management Integration (PARMI):**
 - o PARMI staff facilitated an Internal Project Review Board (PRB) for the STP ECRTS. The PRB was performed August 10 through 20; a draft report was distributed for review on August 28. The final report was published on September 15, 2015.
 - o Technical and Administrative support was provided to the Sludge Treatment Project (STP) in preparation for and during the EM-53 Project Peer Review of the STP ECRTS Capital Asset Project.
 - o In June, the PTL was rolled out and was available for data input by the Projects. The S&GRP organization was selected to be a Pilot Program for roll-out of the PTL. Two progress meetings were held in September, in addition to an overall status meeting with all Projects. Field Presentations and Training continued to be provided.
 - o PRC-MD-PM-53058, *CHPRC Productivity Processes*, was drafted. The Management Directive (MD) has been entered into the PRC Procedure System (PPS) for review and approval. Publication is expected in October.
 - o The Monthly meeting between the Contractor Assurance and Regulatory Reporting, PARMI, and Projects was held in September. The purposes of the monthly meetings are to review productivity data, to determine if trends exist across the CHPRC, and to provide recommended actions related to Corrective Actions.
 - o Progress continues to be made towards completion of the Productivity Corrective Actions. Completed 17 of 24 actions (71 percent).
 - o PARMI Risk Management staff provided Risk Analysis for the STP Capital Asset Project, the WESF Stabilization and Ventilation Project, and numerous BCRs.
 - o The CHPRC Risk Management Plan, PRC-MP-PC-40167, was approved by RL and published into the PPS on September 14, 2015. Publication of the Risk Management Plan fulfills a contract deliverable action.
 - o CHPRC Project Management Plans (PMP), PRC-MP-PM-53011, and Project Categorization and Tailoring, PRC-STD-PM-53012 were published into PPS on September 3, 2015. The MP establishes the foundation for a DOE 413.3B compliant Project Management program. PRC-STD-53012 is the first of several documents to be published that will implement the PMP.
 - o Planning was initiated for a PRB for the WESF Stabilization and Ventilation Project (W-130 Project). A draft PRB Review Plan and “Charge Questions” have been prepared and routed for review/comment. The W-130 PRB kick-off meeting is scheduled for the week of October 12; the review will be completed during October.
 - o Technical support was provided during a VE session to evaluate handling/storage options for the WESF Cesium and Strontium capsules.
 - o The second Quarterly Risk Management CHPRC/RL Interface meeting was held in September. The topics of discussion included: Changes in Risk Profile, CHPRC Risk Posture, Key Risks through the contract, and Project specific topics.

- o Risk Management, Requirements Management, and Business Process Evaluation support was provided to the RCCC Transition Team.

Project Technical Services

- **Engineering Services:**

- o Supported PFP in evaluation of vibrational impact on Tank 231-Z-361 during D&D activities and 2712-Z stack demolition.
- o Supported KBO&PR in the design review and submittals for the 202S REDOX Roof Recovery in placing new metal roof over current concrete roof for leak prevention.
- o Supported W&FMP, WESF project W-130 in the revision of the WESF structural evaluation in support of hot cell grouting and final design review.
- o Performed final inspections for PTS Project Delivery of Trailer MO2237 demobilization and installation at WESF, and MO408 Remodeling at WESF.
- o Evaluated a PNNL technical procedure for the use of an instrument to perform field resistivity surveys in the 300 Area for S&GRP.

- **Procedures and Training:**

- o Supported “Do Work Safely” briefing for over 1,200 employees.
- o Performed factual accuracy input on the RL DRAFT Training Program Assessment Report.
- o Published the River Corridor (RC) Human Machine Interface (HMI) and RC Floor On-the-Job-Training/On-the-Job-Evaluator (OJT/OJE) cards and RC systems manual at S&GRP.
- o Finished up last of PFP procedure changes to support Revision 12 DSA implementation.
- o Completed first round of familiarization trainings at MASF.

- **Operations Program:**

- o Continuing RCCC estimates for work management, maintenance, Lockout/Tagout (LOTO), Conduct of Operations (ConOps).
- o Supporting RCCC WIDS site extent of condition.
- o Supported PFP Readiness preparations for demolition
- o Continued to track status of Fire Protection System Maintenance.
- o Assisted PFP in transition/reduction of Preventive Maintenance and Surveillance (PM/S) Activities and Measuring and Testing Equipment (M&TE) inventory.
- o Conducted Work Control WSA-2015-14797 Review of Activity Level Hazard Analysis and Control.
- o Updated PROC-PRO-D4-53001 CERCLA Waste Storage Area procedure and sent out for review.
- o Met with MSA to discuss future revision to MSA work planning/hazard analysis process.
- o Supported projects with LOTO walkdowns for development of Tagout Authorization Forms/Eight-criteria checklists.
- o RL Emergency Preparedness Triennial assessment team completed field work.
- o Completed FY2016 Drill Program Plans.
- o Completed COOP and Operations Drill Work Site Assessments (WSA).
- o Completed Annual COOP Briefings.
- o Conducted 100K Full up drill (Observed by MSA for Triennial Assessment and CSB/ISA, T-Plant table top drills and one T-Plant limited drill).

- **Project Delivery:**

- o Completed CWC roof repair at 2404WA building.
- o Initiated 90 percent design activities for the 202S REDOX Roof Recover.
- o Continued with the WSCF 6267 building upgrades.
- o Commenced mobilization to demo 105KE borehole enclosures.
- o Continued with the install of the offload station at 200W P&T facility.

- o Completed Construction Completion Document (CCD)'s on: BP-5 transfer line 1; I-129; YE11/13 wells.
- o BP-5 Transfer Line YE 28 – Completed the bonding, flushing and pressure testing of the 10 inches DW High Density Polyethylene (HDPE) on line #2.
- o Awarded the Contract for the Fast Burst Reactor (FBR) and Carbon Steel (CS) Tank platform modifications at the 200W P&T facility.
- **KW Annex Construction**
 - o Successfully completed construction.
 - o Continued Construction Acceptance Testing.
 - o Performed post construction cleanup/demobilization.
 - o Initiated Post Power Construction.
- **In Basin (Re-Lidding)**
 - o Integrated PRC/Apollo schedules.
 - o Continued contractor training and physicals.
 - o Commenced Contractor training at MASF.
 - o Initiated key submittal reviews for field activities.
- **T Plant Modification Construction**
 - o RFP in final development.
 - o Performed schedule/estimate refinement.
 - o Continued procurement for buyer furnished equipment construction material (i.e., IP2 containers/HEPA).

Communications

- o Communications coordinated multiple tours of CHPRC projects at the Hanford Site during the month of September. Visitors toured projects such as 200 West P&T, the PFP, the 100K Area, and the WESF. High profile visitors included:
 - Dr. Monica Regalbuto, Assistant Secretary for Environmental Management
 - DOE Office of Inspector General
 - Congressman Mike Simpson
 - DOE Chief Risk Officer John MacWilliams
 - League of Women Voters
 - DOE HQ Procurement and Acquisition Team
 - Fukushima Technology Group
- o Communications worked with the media to develop news articles that ran in the Tri-City Herald and Environment Management (EM) Update. These articles covered groundwater treatment records that were accomplished during FY2015 and the DOE Office of Environmental Management's EM Update featured a story on Uranium Expansion at the 200 West P&T facility.
- o Communications worked with RL and the regulatory agencies to support the public involvement process by developing and providing a presentation to the Oregon Department of Energy that shows a time-lapse of the 243Z facility as well as photographs of work completed in the McCluskey Room, 200 West P&T Facility, HDPE pipe welding, 100KE boreholes, and the 100KW Annex. CHPRC also provided RL with a PFP demolition model, which was presented to the Oregon Department of Energy.

PROJECT BASELINE PERFORMANCE
Current Month
(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Office of the President	0.2	0.2	0.2	0.0	0.0%	(0.1)	-32.7%
Internal Audit	0.5	0.5	0.1	0.0	0.0%	0.4	77.4%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	35.1%
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	10.7%
Safety, Health, Security and Quality	1.5	1.5	1.1	0.0	0.0%	0.5	29.8%
Environmental Program and Strategic Planning	0.5	0.5	0.4	0.0	0.0%	0.0	5.1%
Business Services	3.0	3.0	1.8	0.0	0.0%	1.2	39.5%
Prime Contract and Project Integration	1.4	1.4	1.9	0.0	0.0%	(0.5)	-32.3%
Project Technical Services	0.8	0.8	0.7	(0.0)	-1.6%	0.0	4.4%
Indirect WBS 000 Total	8.1	8.1	6.4	(0.0)	-0.1%	1.6	20.2%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

CM Schedule Performance: (-\$0.0M/-0.1%)

Variance is within reporting thresholds.

CM Cost Performance: (+1.6M/+20.2%)

Variance is primarily attributed to increased direct project support with creating the PARMi organization. In addition, staffing vacancies currently in process of being backfilled.

Fiscal Year-to-Date (FYTD) (\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Office of the President	1.7	1.7	2.1	0.0	0.0%	(0.4)	-20.8%	1.7
Internal Audit	1.1	1.1	1.1	0.0	0.0%	(0.0)	-3.2%	1.1
General Counsel	1.2	1.2	1.0	0.0	0.0%	0.2	14.5%	1.2
Communications	1.0	1.0	1.1	0.0	0.0%	(0.1)	-13.3%	1.0
Safety, Health, Security and Quality	13.6	13.6	11.9	(0.0)	-0.0%	1.7	12.6%	13.6
Environmental Program and Strategic Planning	4.3	4.3	4.2	0.0	0.0%	0.1	1.2%	4.3
Business Services	19.6	19.6	18.9	0.0	0.0%	0.7	3.8%	19.6
Prime Contract and Project Integration	19.6	19.6	18.6	0.0	0.0%	1.0	5.2%	19.6
Project Technical Services	7.3	7.3	7.3	(0.0)	-0.1%	(0.0)	-0.3%	7.3
Indirect WBS 000 Total	69.6	69.6	66.4	(0.0)	-0.0%	3.2	4.5%	69.6

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

FYTD Schedule Performance: (-\$0.0M/-0.0%)

The variance is within reporting thresholds.

FYTD Cost Performance: (+\$3.2M/+4.5%)

The variance is within reporting thresholds.

FY2015 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY 2015		
	FY 2015 BCWS	FY 2015 ACWP	FY 2015 Variance (O)/U
General & Administrative (G&A)	69.6	66.4	3.2
Office of the President	1.7	2.1	(0.4)
Internal Audit	1.1	1.1	(0.0)
General Counsel	1.2	1.0	0.2
Communications	1.0	1.1	(0.1)
Safety, Health, Security and Quality	13.6	11.9	1.7
Env. Program & Strategic Planning	4.3	4.2	0.1
Business Services	19.6	18.9	0.7
Prime Contract and Project Integration	19.6	18.6	1.0
Project Technical Services	7.3	7.3	(0.0)
G&A Distribution		(66.4)	
G&A Liquidation (Over)/Under		0.0	

Liquidation Analysis

For FY2015, application of the G&A rate over-liquidated total G&A costs by \$2.1 million, which was distributed to the projects in September. Passbacks were distributed at fiscal year-end to fully liquidate all G&A accounts.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
-  No Change
-  Decreased Confidence

Risk Title	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
Executive Level Risks																					
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for the month of September .																					
Realized Risks (Risks that are currently impacting project cost/schedule)																					
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat. Risk Handling Strategy: Avoid Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 40 days			Risk Event: CHPRC continues to experience higher than anticipated attrition for FY2015. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement salary increase fund</td> <td rowspan="4" style="text-align: center;">FY2015</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Proposed PFP incentive program</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Draft retention and recruiting plan investment for FY2015.</td> <td>09/15/15</td> <td>35</td> </tr> <tr> <td>Develop/implement CHPRC People Legacy Program.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> Recovery Action Assessment: No changes in the month of September . CHPRC continues to increase recruitment, and analysis of comparable markets for salary competitiveness. Potential problems exist pending funding profiles for other site contractors. No alternative course of actions needed at this time.	Risk recovery action(s)	Risk Date	FC Date	%	Implement salary increase fund	FY2015	Complete	100	Proposed PFP incentive program	Complete	100	Draft retention and recruiting plan investment for FY2015.	09/15/15	35	Develop/implement CHPRC People Legacy Program.	On-Going	N/A
Risk recovery action(s)	Risk Date	FC Date	%																		
Implement salary increase fund	FY2015	Complete	100																		
Proposed PFP incentive program		Complete	100																		
Draft retention and recruiting plan investment for FY2015.		09/15/15	35																		
Develop/implement CHPRC People Legacy Program.		On-Going	N/A																		
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																					
No critical risks identified in the month of September .																					
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																					
No high threat value risks identified in the month of September .																					
Unassigned Risks (Pending ownership of identified risks/opportunities)																					
CHPRC <i>continues</i> to conduct internal reviews to ensure risks are still valid. In cases where risk has passed/or is no longer valid CHPRC will no longer report, and close the risk in the database. In the event risk are still valid ownership will need to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																					

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

The Section H.20 clause, entitled *Self-Performed Work*, is addressed in the Monthly Report Overview.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.

Appendix C Capital Asset Projects



September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

Appendix C.1
Capital Asset Project
RL-011.C1 Removal of 174 Gloveboxes from
234-5Z



J. M. Swartz
Vice President for
PFP Closure Project

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The following are key metrics associated with this Capital Asset Project.

<i>Key Metrics</i>	<i>Current Month Plan</i>	<i>Current Month Actuals</i>	<i>Cumulative Plan</i>	<i>Cumulative Actuals</i>
Glovebox/Hood Removed	-	-	174	162
KPP Rooms/Areas Ready for Demo	-	-	60	60 rooms/areas

Summary:

The removal of plutonium-contaminated process equipment continued with a particular focus on removing gloveboxes, associated piping, and ductwork. The total number of gloveboxes removed to date is at 93 percent complete.

- Prepared room and area for in-situ size reduction of Glovebox HA-9A in 234-5Z

KEY ACCOMPLISHMENTS

234-5Z

- RMA Line:
 - o Initiated set-up of room and area for size reduction of Glovebox HA-9A.

MAJOR ISSUES

Issue – The existing DSA does not address physical demolition of PFP facilities or leaving high hold-up items in-place for targeted excision during the demolition phase.

Corrective Action – Assemble a team of nuclear safety professionals to develop step out conditions and criteria for the existing facility safety systems. Effort will culminate in a revision to the PFP DSA for the final deactivation and demolition phases of the mission.

Status – The DSA/TSR Revision 12 was approved by RL on May 4, 2015. The implementation plan has been approved, affected documents are being modified, and training is being performed. Implementation has been delayed to align with completion of the in-situ size reduction efforts being performed on the HA-9A and HC-9B Gloveboxes in 234-5Z. Implementation is now scheduled for the end of November 2015.

CLASSIFICATION (When Filled In)												FORM APPROVED						
CONTRACT PERFORMANCE REPORT												Thousands of \$						
FORMAT 1 - WORK BREAKDOWN STRUCTURE												OMB No. 0704-0188						
1. CONTRACTOR												4. REPORT PERIOD						
a. NAME CH2M HILL Plateau Remediation Company												a. FROM (YYYYMMDD)						
b. LOCATION (Address and ZIP Code) Plateau Remediation Contract Richland, WA												b. TO (YYYYMMDD) 2015/08/24						
2. CONTRACT												3. PROGRAM						
a. NAME Plateau Remediation Contract												a. NAME RL0011.C1.PFP D&D (ARBA/BAse)						
b. NUMBER RL14788												b. PHASE						
c. TYPE CPAF												c. EVMS ACCEPTANCE						
d. SHARE RATIO												YES (YYYYMMDD) 2009/09/18						
NO												2015/09/30						
5. CONTRACT DATA												i. DATE OF OTS (YYYYMMDD)						
a. QUANTITY												h. ESTIMATED CONTRACT CEILING						
b. NEGOTIATED COST 317,546												344,796						
c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0												327,424						
d. TARGET PROFIT/FEE 9,878												344,796						
e. TARGET PRICE 327,424												344,796						
f. ESTIMATED PRICE 344,796												344,796						
6. ESTIMATED COST AT COMPLETION												j. DATE OF OTS (YYYYMMDD)						
MANAGEMENT ESTIMATE AT COMPLETION												b. TITLE						
(1)												Prime Contract Manager						
a. BEST CASE 332,524												d. DATE SIGNED (YYYYMMDD)						
b. WORST CASE 334,918																		
c. MOST LIKELY 334,918																		
317,546																		
-17,372																		
8. PERFORMANCE DATA																		
CAPNPRS																		
Control Account PARS 2, WBS (2)																		
ITEM (1)	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (8)		VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (15)		VARIANCE	
	WORK SCHEDULED (2)	WORK PERFORMED (3)	SCHEDULE (5)	COST (6)	SCHEDULE (7)	COST (8)	SCHEDULE (9)	COST (10)	SCHEDULE (11)	COST (12a)	SCHEDULE (12b)	COST (13)	SCHEDULE (14)	COST (15)	SCHEDULE (16)			
RL-0011 Nuclear Mat. Stab. & Dis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RL-0011 C1.02 Maintain Safe	7,749	7,517	-232	-1,095	234,508	232,978	256,465	-1,530	-23,487	0	0	0	0	225,514	259,736	-24,222		
RL-0011 C1.05 Disposition PF	0	0	0	0	11,990	11,990	12,477	0	0	0	0	0	0	11,990	12,477	-487		
RL-0011 C1.06 Project Manag	0	0	0	0	7,221	7,221	7,731	0	-510	0	0	0	0	7,221	7,731	-510		
RL-0011 C1.90 Usage Based S	0	0	0	0	19,399	19,399	19,253	0	147	0	0	0	0	19,399	19,253	147		
RL-0011 C1.98 Ramp-up and	0	0	0	0	41,028	41,028	33,328	0	7,700	0	0	0	0	41,028	33,328	7,700		
RL-0011 C1.99 P&S RL-11 UBS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
b. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. SUBTOTAL	7,749	7,517	-232	-1,095	314,146	312,615	329,253	-1,530	-16,637	0	0	0	0	315,152	332,524	-17,372		
f. MANAGEMENT RESERVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
g. TOTAL	7,749	7,517	-232	-1,095	314,146	312,615	329,253	-1,530	-16,637	0	0	0	0	317,546	332,524	-14,978		
9. RECONCILIATION TO CONTRACT BUDGET BASELINE																		
a. VARIANCE ADJUSTMENT																		
b. TOTAL CONTRACT VARIANCE																		

CLASSIFICATION (When Filled In)



CLASSIFICATION (When Filled In)		CONTRACT PERFORMANCE REPORT										FORM APPROVED		
CONTRACT PERFORMANCE REPORT		FORMAT 2 - ORGANIZATIONAL CATEGORIES										Thousands of \$ OMB No. 0704-0188		
1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD		5. PERFORMANCE DATA		REPROGRAMMING		AT COMPLETION		
a. NAME		a. NAME		a. NAME		a. FROM (YYYYMMDD)		a. NAME		BUDGETED		ESTIMATED		
b. LOCATION (Address and ZIP Code)		b. NUMBER		b. PHASE		b. TO (YYYYMMDD)		b. PHASE		BUDGET		VARIANCE		
c. TYPE		c. TYPE		c. TYPE		c. TYPE		c. TYPE		BUDGET		VARIANCE		
d. SHARE RATIO		d. SHARE RATIO		d. SHARE RATIO		d. SHARE RATIO		d. SHARE RATIO		BUDGET		VARIANCE		
e. SUBTOTAL (Performance Measurement Baseline)		e. SUBTOTAL (Performance Measurement Baseline)		e. SUBTOTAL (Performance Measurement Baseline)		e. SUBTOTAL (Performance Measurement Baseline)		e. SUBTOTAL (Performance Measurement Baseline)		BUDGET		VARIANCE		
f. MANAGEMENT RESERVE		f. MANAGEMENT RESERVE		f. MANAGEMENT RESERVE		f. MANAGEMENT RESERVE		f. MANAGEMENT RESERVE		BUDGET		VARIANCE		
g. TOTAL		g. TOTAL		g. TOTAL		g. TOTAL		g. TOTAL		BUDGET		VARIANCE		
WBS Resp Org Group														
35 - Business Services	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3B - PFP Closure Project	7,749	7,517	8,612	-232	-1,095	252,188	276,672	-24,484	0	0	0	0	0	0
B. COST OF MONEY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C. GENERAL AND ADMINISTRATIVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET	7,749	7,517	8,612	-232	-1,095	312,615	329,252	-16,637	0	0	0	0	0	0
e. SUBTOTAL (Performance Measurement Baseline)	7,749	7,517	8,612	-232	-1,095	312,615	329,252	-16,637	0	0	0	0	0	0
f. MANAGEMENT RESERVE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
g. TOTAL	7,749	7,517	8,612	-232	-1,095	312,615	329,252	-16,637	0	0	0	0	0	0



September 2015

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE		DOLLARS IN THOUSANDS		Form Approved OMB No. 0704-0188											
1. CONTRACTOR CHEM HILL Plateau Remediation Company b. LOCATION: Richland, WA		3. PROGRAM a. NAME: RL_0011_C1 - PFP DSD (ARRA/BS+E) b. PHASE: Plateau Remediation Contract c. EVMS ACCEPTANCE: YES X d. SHARE RATIO: NO		4. REPORT PERIOD a. FROM: 2015/09/24 b. TO: 2015/09/30											
2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:		e. CONTRACT BUDGET BASE (C + D) \$317,546		f. TOTAL ALLOCATED BUDGET \$317,546											
3. CONTRACT DATA a. ORIGINAL NEGOTIATED COST 317,546		d. ESTIMATED COST AUTH UNPRICED WORK \$0		g. DIFFERENCE (E - F) (\$0)											
h. CONTRACT START DATE 6/19/2008		j. PLANNED COMPLETION DATE 9/30/2018		i. EST. COMPLETION DATE 9/30/2018											
i. DEFINITION DATE 6/19/2008		k. CONT. COMPLETION DATE 9/30/2018													
6. PERFORMANCE DATA															
ITEM	BOVS CUM TO DATE (2)	BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)						TOTAL BUDGET (17)							
		BOVS FOR REPORT PERIOD (3)	+1 Oct-15 (4)	+2 Nov-15 (5)	+3 Dec-15 (6)	+4 Jan-16 (7)	+5 Feb-16 (8)		+6 Mar-16 (9)	FY14 (11)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)	UNDISTRIB BUDGET (16)
a. PM BASELINE (BEGIN OF PERIOD)	306,397	0	0	0	0	0	0	0	0	0	0	0	0	0	306,397
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-011-15-005R0 - Incorporate RL-011.C1 Removal of 174 Glove Boxes from 234- 5Z Capital Asset Project Baseline Recoding of existing work scope to the Capital Asset Project											172 (268)	116	0	0	0
c. PM BASELINE (END OF PERIOD)	314,146	7,749	0	119	163	222	165	183	302,288	4,109	7,749	890	116	0	315,152
7. MANAGEMENT RESERVE															2,384
8. TOTAL															317,546



CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT									
FORMAT 5 - Explanations and Problem Analysis									
									FORM APPROVED OMB No. 0704-0188
1. CONTRACTOR		2. CONTRACT		3. PROGRAM				4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract		a. NAME RL_0011_C1 - PFP D&D (ARRA/Base)				a. FROM 2015 / 08 / 24	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE				b. TO 2015 / 09 / 30	
c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE No X Yes				2009 / 09 / 18	
5. Evaluation									
Direct Projects									
	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Current:	7,749	7,517	8,612	-232	-3%	-1,095	-15%	0.97	0.87
Cumulative:	314,146	312,615	329,252	-1,530	0%	-16,637	-5%	1.00	0.95
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	315,152	332,524	-17,372	-6%	-	0.78			
Explanation of Variance/Description of Problem:									
<p>The current month cost variance is attributed to implementing BCR 011-15-005R0 "Incorporate RL-011.C1 Removal of 174 Glove Boxes from 234-5Z Capital Asset Project Baseline". DOE-RL: 15-AMRP-0061, Direction to Develop Baseline Change Proposal (BCP) Supporting Documentation for RL-011.C1, Plutonium Finishing Plant (PFP) Decontamination and Dismantlement Capital Asset Project (CAP) and the Demolition CAP, dated February 3, 2015 requested CHPRC to develop and submit revised Capital Asset baseline and documentation to support DOE-HQ approval of an RL-011.C1., Removal of 174 Glove Boxes from 234-5Z, Baseline Change Proposal (BCP). Specifically, the BCP modified the remaining project scope to include activities and cost required to support removal of gloveboxes/hoods from the 234-5Z facility and complete work as defined in the RL-011 Project Execution Plan (PEP), Revision 1 dated September, 2009. On September 4, 2015, CHPRC received direction from the DOE-RL Contracting Officer's Representative, Correspondence #1504116, to implement the revised RL-011.C1 CAP baseline into the CHPRC PMB. This BCR implements this direction by modifying baseline planning for removal of gloveboxes in 234-5Z prior to and during demolition (HC-7C, HA-7A, 166 Hood, HC-4, HC-6, 145-1, HC-227S, HC-227T, 159-1/2 Hoods, HA-46, 3 RADTU (300B, 200, 100B) Gloveboxes) to move this work from WBS 011.05.C2-.06.02, C-D&D 2345Z Proc Vac, Drn, Trns & Misc Equip Rem, to the capital asset WBS 011.05.01.01.06.09, 234-5Z Capital Asset Glovebox Removal (expense to Capital Asset). In addition, in order to comply with direction to align with the RL-0011 Project Execution Plan, Revision 1, provided by DOE-RL: 15-AMRP-0061 dated February 3, 2015, work associated with Backside Rooms (expense WBS 011.05.01.01.02, Transition 234-5Z Labs - PPSL/ Stds / A Lab; 011.05.C2.02.01, C-D&D 234-5Z Labs Project Management, and 011.05.C2.02.02, C-Transition 234-5Z Labs - Backside Room) is moved by this BCR into two new capital asset WBS elements 011.05.01.01.06.10, "234-5Z Backside Rooms Project Management (Cap), and 011.05.01.01.06.11, "234-5Z Backside Rooms D&D (Capital). This results in a point adjustment for historical BCWS and BCWP with no re-estimation of remaining work scope (moving historical scope from Expense to Capital Asset). The overall scope of the PFP Closure Project was not changed by this BCR.</p>									
Impact:									
<p>Schedule Impact: The RL-011.C1 project baseline date after implementation of the September BCR is November 16, 2016, with the current schedule reflecting an earlier completion date of October 11, 2016. The current RL-11 PBS performance baseline schedule indicates that the PFP project will achieve slab-on-grade by January 31, 2017. Although the current schedule shows that the work scope to meet the completion of the TPA milestone will not complete until December 13, 2016, the project expects to continue progress at the rate that has been experienced in the past several months and with the implementation of new initiatives (i.e., breathing air, high mass glovebox initiative, foaming, grouting, etc.) the PFP Project is at risk of meeting the TPA milestone M-083-00A of 9/30/16.</p> <p>Cost Impact: The EAC and negative 10.3% VAC reflects consideration of plant performance and successful implementation of the corrective actions noted below.</p>									
Corrective Action:									
<p>Ventilation and controlled air monitor issues are constantly being monitored and maintenance activities are being performed to keep the facility operating in a safe and compliant manner to allow D&D activities to continue. PFP is working an initiative to bring the 234-5Z facility to a cold and dark state and implement a temporary ventilation and controlled air monitoring system to get the facility to a demo-ready state. Ventilation system will need to remain on full power until Revision 12 to the DSA is implemented (~December, 2015), and radiological work scope will still need to be completed in duct level before ventilation can permanently be shut off. This does not impact the planned demolition date of the 234-5Z facility nor does it impact the completion of the KPP work scope. (Lucas Old ECD 12/31/14- New ECD December, 30, 2015)</p> <p>Cost: Cost variance is not considered recoverable. Past performance and successful implementation of the above actions are reflected in the EAC. Historical negative cost variance of 10.1% and CPI of .91 and ~\$23.5M cost variance to date will result in a VAC of ~\$24.2M. This is due to incorporation of the use of the PreMaire breathing air suits that will be used to mitigate exposure to the worker and ease in in-situ size reduction of gloveboxes and transferred scope for removal of the gloveboxes from the facility to meet the end point criteria of the Project Execution Plan. As efficiencies continue to be recognized, the EAC will be adjusted. It is not expected that the entire cost variance will be recovered as there is only a small amount of scope remaining to complete the KPP.</p> <p>NOTE: To eliminate the need for modifications and allow resources to concentrate on getting the 234-5Z facility demolished by 9/30/16, with the exception of one glovebox that has high gram values too high to be left in place (HA-9A), the remaining gloveboxes have been removed from E-4 ventilation and will be removed from the building during demolition preparations and demolition of the 234-5Z facility in FY2016. This approach has been incorporated into the baseline as noted in the CM Variance explanation.</p>									
Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):									
<p>The following items are addressed , as applicable, per the EVMSIH:</p> <ol style="list-style-type: none"> Schedule Margin Analysis: N/A IMS Data dictionary Changes: N/A Forecast Schedule with No Baseline: N/A UB Balance: N/A Negative ACWP: N/A EAC Analysis: Best Case = EAC; Most Likely = EAC + MR; Worst Case = ECWR or BCWR (whichever is greater) + ACWP + MR + Trend Log values not already included. Negative CV > VAC: N/A MR Transactions: N/A Freeze Period Changes: N/A Retroactive Changes: N/A Indirect Variances: Negative cumulative CV was negated by a positive passback from the Indirect projects, in FY15. 									
Prepared by:			Date:			Approved by:			Date:



RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- Increased Confidence
- No Change
- Decreased Confidence

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-0011/WBS-011.05.01.01.06 (CAP.1)						
Explanation of major changes to the project monthly spotlight chart: In the month of September RL-0011 incorporated RL-011.C1, and RL-0011.C2 Capital Asset Projects. Risk spotlight chart was revised to reflect implementation of these projects.						
Realized Risks (Risks that are currently impacting project cost/schedule)						
No realized risks identified for RL-0011/WBS-011.05.01.01.06 (CAP.1) in the month of September.						
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)						
FY2016 Risk Triggers (Risk could be realized in FY2016)						
PFP-DEMO-21: Glove Box/Equipment Removal/Demolition Material Handling Event	A material handling event (e.g., dropped piece of process equipment) occurs during the PFP demolition resulting in cost impacts and schedule delays. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$150K, 44 days	●		Risk Trigger: During pre-demolition/demolition activities in FY2016.		
				Mitigation action(s)	FC Date	%
				None identified at this time.	N/A	N/A
				Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to adhere to the CHPRC ISMS program/ hoisting and rigging program to include detailed analyses of potential hazards and identification of preventive measures to implement prior to starting the work. At this time no alternative course of actions needed.		
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)						
PFP-GB-05: Dose Rates for RMA/RMC Removal Higher Than Planned	Dose rates for removal of the RMA/RMC gloveboxes are higher than planned resulting in schedule delays, and cost impacts. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$210K, 88 days	●		Risk Trigger: During insitu size reduction activities within RMA/RMC (9A, 9B, 18M). Dates tracked in the FES.		
				Mitigation action(s)	FC Date	%
				None identified at this time.	N/A	N/A
				Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to adhere to approved work plans. At this time no alternative course of actions needed.		
PFP-GB-08: KPP Room Recovery After Contamination Event	An industrial accident or contaminated worker events necessitate a safety stand down or other corrective actions resulting in cost impacts, and schedule delays. Risk Handling Strategy: Accept Probability: Medium (26% to 74%) Worst Case Impacts: \$375K, 44 days	●		Risk Trigger: During insitu size reduction activities within RMA/RMC (9A, 9B, 18M). Dates tracked in the FES.		
				Mitigation action(s)	FC Date	%
				None identified at this time.	N/A	N/A
				Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to adhere to Worker Safety Programs, and implement corrective actions as part of the ISMS feedback loop. At this time no alternative course of actions needed.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-0011/WBS-011.05.01.01.06 (CAP.1)						
PFP-GB-09: Bulk Area clean-out scope Increase for KPP Scope	Additional bulk area clean-out results in schedule delays due to contamination events in rooms 228A -228C and 235A3 after Insitu-size reduction activities are complete. Risk Handling Strategy: Control Probability: Low (10% to 25%) Worst Case Impacts: \$0, 30 days *Cost increase will result in cost per day impacts from crews, and hotel load.			Risk Trigger: During insitu size reduction activities within RMA/RMC (9A, 9B, 18M). Dates tracked in the FES.		
				Mitigation action(s)	FC Date	%
				Implement lessons learned from previous size reductions activities (i.e., Room 172 size reduction) into work packages.	10/11/15	99
				Identify/fabricate room sacrificial layers prior to insitu size reduction activities.	10/11/15	99
		Mitigation Assessment: At this time no alternative course of actions needed.				
Unassigned Risks (Pending ownership of identified risks/opportunities)						
No unassigned risks identified for RL-0011 in the month of September.						

Critical Path Schedule

The critical path for this project runs through PFP non-capital asset activities. Following adjustments to the PRF Canyon characterization schedule in September, the new PFP Critical Schedule Path to removal of the gloveboxes from the 234-5Z facility and RL-011.C1 capital asset project flows through the 234-5Z duct level and filter box removal, then to the final focused decontamination throughout 234-5Z. This leads into 234-5Z Cold & Dark and Ready for Demo, allowing removal of the gloveboxes that have been left in place to be removed during demolition of 234-5Z. Once demolition is complete, CD-4 activities to close out the RL-011.C1 project will be performed.

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a two year look ahead of commitments and Tri-Party Agreement enforceable milestones.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Significant Progress on Deactivation & Removal of 208 GB's and Disposal of all 236-Z Pencil Tanks	09/30/15		9/30/15	Complete
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		12/13/16	Stop works associated with Premaire breathing air suits/hoses in support of in-situ size reduction efforts caused the Tri-Party Agreement milestone date to slip. As the PFP Project continues to make progress on the behind schedule critical path work scope being performed it is anticipated that efficiencies will be recognized to bring the schedule into alignment with a completion date of September 30, 2016. However, this Tri-Party Agreement completion is currently at risk of meeting the September 30, 2016 commitment date.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Appendix C.2

Capital Asset Project

RL-011.C2 Demolition of PFP Facilities



J. M. Swartz
Vice President for
PFP Closure Project

September 2015
CHPRC-2015-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The following are key metrics associated with this Capital Asset Project.

<i>Key Metrics</i>	<i>Current Month Plan</i>	<i>Current Month Actuals</i>	<i>Cumulative Plan</i>	<i>Cumulative Actuals</i>
Complete Cold and Dark/Demo Ready activities for 234-5Z	-	-	1	-
Complete Cold and Dark/Demo Ready activities for 236-Z	-	-	1	-
Complete Cold and Dark/Demo Ready activities for 242-Z	-	-	1	-
Complete Cold and Dark/Demo Ready activities for 291-Z	-	-	1	-
Complete Cold and Dark/Demo Ready activities for PFP Ancillary Facilities	-	-	15	-
Complete Demolition of 234-5Z	-	-	1	-
Complete Demolition of 236-Z	-	-	1	-
Complete Demolition of 242-Z	-	-	1	-
Complete Demolition of 291-Z	-	-	1	-
Complete Demolition of PFP Ancillary Facilities	-	-	1	-
Complete Demolition of PFP Ancillary Facilities	-	-	15	-
Turnover Facility to Long Term Surveillance & Maintenance	-	-	-	-

Summary:

The PFP Demolition Project is the final sub-set activity for completing the overall Project Baseline Summary (PBS) RL-0011, Nuclear Materials Stabilization and Disposition of PFP. Completion of RL-0011.C2 will result in the remaining PFP set of facilities becoming “slab-on-grade” and allow transition of the PFP complex to long-term surveillance and maintenance (S&M)

KEY ACCOMPLISHMENTS

- Completed activities to support EM review and CD-2/3 approval process to implement RL-0011.C2 project into the CHPRC baseline
- Completed implementation of the BCR to support execution of the demolition of PFP as Capital Asset Project RL-0011.C2
- Continued developing and initiated Fire Hazard Analysis revision in support of DSA Revision 13

MAJOR ISSUES

Issue – The existing DSA does not address physical demolition of PFP facilities or leaving high hold-up items in-place for targeted excision during the demolition phase.

Corrective Action – Assemble a team of nuclear safety professionals to develop step out conditions and criteria for the existing facility safety systems. Effort will culminate in a revision to the PFP DSA for the final deactivation and demolition phases of the mission.

Status – The DSA/TSR Revision 12 was approved by RL on May 4, 2015. The implementation plan has been approved, affected documents are being modified, and training is being performed. Implementation has been delayed to align with completion of the in-situ size reduction efforts being performed on the HA-9A and HC-9B Gloveboxes in 234-5Z. Implementation is now scheduled for the end of October 2015.

Corrective Action – Coordinate with Maintenance and Waste Integration to establish mass balance calculations for various hazardous materials, demonstrating how much hazardous material may remain with building rubble and still meet ERDF waste acceptance criteria.

Status – PFP is continuing to work with Maintenance and Waste Integration to establish mass balance calculations. Calculations were completed this month using CHPRC-0560, *Plutonium Finishing Plant Rubble Calculations*, demonstrating that residual hazardous constituents are not expected to pose any significant cost and schedule impacts. Minor segregation and packaging of specific material (i.e. large diameter fire suppression lines) may be necessary during demolition phases. More detailed mass balance calculations for the individual demolition areas will be completed by October 30, 2015 with the final reports being issued by the end of November.

Issue – PRF Canyon floor scrapings, from Pan J and staged in a collection tray on the Canyon floor expanded. A clear and unanticipated chemical reaction was occurring within the material. A previously noted hard substance was observed within the loose debris on Pan J. This hard substance was originally thought to be concrete (congealed, spalled wall fines) but upon further review was believed to be a plasticized material, which was not unexpected.

Corrective Action – PFP will perform 100 percent visual inspection of all waste drums that contain PRF canyon waste. In addition, all Pan J. waste packages will be retrieved and placed into the PRF Canyon after which waste will be unpackaged from the bags and cartons to meet combustible controls limitations. This work will be performed in the PRF Canyon.

Status – A meeting was held with facility SMEs and members of the PRF canyon work crew to discuss present status and recovery actions following the identification of a chemical reaction associated with the canyon floor pan wastes. Discussion was held to determine the extent of condition, recovery plan, and path forward to allow continued packaging of the canyon floor pan waste.

Issue - PFP Safeguards posture/requirements – PFP management team was contacted on October 6th by the MSA Safeguards POC informed that there was an immediate need to reduce the physical inventory of specific nuclear materials staged in the PFP Waste Storage Area due to a safeguards requirement (not known to PFP team nor specified in the PFP procedures, contracts or other safety basis requirements).

Corrective Actions - Immediate actions were developed working with Safeguards, the PFP MBA custodian and PFP Waste Operations which resulted in the immediate movement of a total of 4 drums to other approved waste storage areas to satisfy the immediate Safeguards request/requirement.

Subsequent direction attained from working with Safeguards revealed a new interpretation that inventory limits on certain types of nuclear materials applied to the PFP Complex as a whole and not to individual storage areas. The facility generated a standing order to ensure compliance with the new control; however, issuance of the standing order has restricted and/or curtailed several critical work evolutions at PFP resulting in schedule and resource impacts. Additional unplanned impacts resulting from these controls has resulted in the need for expedited characterization and shipping of backlog of waste from PFP prior to reauthorizing performance of critical work scope at PFP. Shipping schedule has been expedited and characterization of waste has been accelerated in an effort to substantially reduce the safeguards inventory and comply with the newly promulgated requirements.

An additional waste storage area is actively being pursued with RL as an interim solution to mitigate the impacts of this new safeguards requirement/limitation.

Status - An extensive number of meetings were held with Safeguards and Security and the PFP teams in order to understand the source, subtleties and implications of the newly identified requirement. Standing Order Instructions (SOI) have been issued and will continue to be revised and adapted as requirements are further clarified. Characterization and shipping has been accelerated to enable an accelerated de-inventory of the waste to meet the newly imposed requirements (including accelerated resolution of PRF Canyon Floor Waste). Establishment of a new PFP waste storage location is being actively worked.



CLASSIFICATION (When Filled In)		CONTRACT PERFORMANCE REPORT										FORM APPROVED	
		FORMAT 1 - WORK BREAKDOWN STRUCTURE										OMB No. 0704-0188	
		DOLLARS IN										Thousands of \$	
1. CONTRACTOR		a. NAME Ch2M Hill Plateau Remediation Company		2. CONTRACT		a. NAME Plateau Remediation Contract		3. PROGRAM		a. FROM (YYYYMMDD) 2015 / 08 / 24		b. TO (YYYYMMDD) 2015 / 09 / 30	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE		i. DATE OF OTB/OTS (YYYYMMDD)					
c. TYPE CPAF		d. SHARE RATIO		e. TARGET PRICE 56,683		f. ESTIMATED PRICE 54,700		g. CONTRACT CEILING 56,683		h. ESTIMATED CONTRACT CEILING 54,700			
5. CONTRACT DATA		a. QUANTITY 1		b. NEGOTIATED COST 51,683		c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/FEE 5,000		e. ESTIMATED CONTRACT CEILING 54,700		f. DATE OF OTB/OTS (YYYYMMDD)	
6. ESTIMATED COST AT COMPLETION		a. BEST CASE 43,500		b. WORST CASE 51,313		c. MOST LIKELY 49,700		d. DATE SIGNED (YYYYMMDD)					
7. AUTHORIZED CONTRACT REPRESENTATIVE		a. NAME (Last, First, Middle Initial) Dickerson, Kala K		b. TITLE Prime Contract Manager		c. SIGNATURE							
8. PERFORMANCE DATA		a. CAPN PHS Control Account PHS 2 WBS (2)		b. MANAGEMENT ESTIMATE AT COMPLETION		c. CONTRACT BUDGET BASE (2)		d. VARIANCE (3)		e. ACTUAL COST WORK PERFORMED (8)		f. SCHEDULE VARIANCE (10)	
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(598)		(599)		(600)		(601)		(602)		(603)		(604)	
(605)		(606)		(607)		(608)		(609)		(610)		(611)	
(612)		(613)		(614)		(615)		(616)		(617)		(618)	
(619)		(620)		(621)		(622)		(623)		(624)		(625)	
(626)		(627)		(628)		(629)		(630)		(631)		(632)	
(633)		(634)		(635)		(636)		(637)		(638)		(639)	
(640)		(641)		(642)		(643)		(644)		(645)		(646)	

1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD		FORM APPROVED						
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract		a. NAME RL 0011 C2 PFP Demolition Capital Asset Project		Thousands of \$ OMB No. 0704-0188								
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE RL14788		a. FROM (YYYYMMDD) 2015/08/24								
c. TYPE CPAF		c. TYPE CPAF		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>		b. TO (YYYYMMDD) 2015/09/30								
5. PERFORMANCE DATA		CURRENT PERIOD		CUMULATIVE TO DATE		REPROGRAMMING ADJUSTMENTS		AT COMPLETION						
ITEM	WBs Resp Org Group	BUDGETED COST		BUDGETED COST		VARIANCE		BUDGETED		ESTIMATED		VARIANCE		
		WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK SCHEDULED (7)	WORK PERFORMED (8)	SCHEDULE (5)	SCHEDULE (10)	COST (6)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGET (14)	VARIANCE (16)
(1)		(4)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)	(17)	(18)	
3B - PFP Closure Project		6,198	6,198	6,198	6,198	108	108	0	0	0	0	43,500	43,500	1,983
b. COST OF MONEY		0	0	0	0	0	0	0	0	0	0	0	0	0
c. GENERAL AND ADMINISTRATIVE		0	0	0	0	0	0	0	0	0	0	0	0	0
d. UNDISTRIBUTED BUDGET		0	0	0	0	0	0	0	0	0	0	0	0	0
e. SUBTOTAL (Performance Measurement Baseline)		6,198	6,198	6,198	6,198	108	108	0	0	0	0	43,500	43,500	1,983
f. MANAGEMENT RESERVE		6,090	6,090	6,090	6,090	108	108	0	0	0	0	6,200	6,200	0
g. TOTAL		12,288	12,288	12,288	12,288	216	216	0	0	0	0	49,700	49,700	1,983



CLASSIFICATION (When Filled In)		FORM APPROVED OMB No. 0704-0188													
CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING		Dollars in: FTE													
PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ORGANIZATION. SUBMIT COMPLETED FORMS IN ACCORDANCE WITH CONTRACTUAL REQUIREMENTS.															
1. CONTRACTOR		2. CONTRACT													
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract													
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788													
c. TYPE CPAF		c. EVMS ACCEPTANCE NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>													
d. SHARE RATIO		2009 / 09 / 18													
3. PROGRAM		4. REPORT PERIOD													
a. NAME RL 0011 - C2 PFP Demolition Capital Asset Project		a. FROM (YYYYMMDD) 2015 / 08 / 24													
b. PHASE		b. TO (YYYYMMDD) 2015 / 09 / 30													
5. PERFORMANCE DATA															
WBS Resp Org Group ORGANIZATIONAL CATEGORY (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)												AT COMPLETION (15)
			SIX MONTH FORECAST BY MONTH (Enter names of months)						ENTER SPECIFIED PERIODS						
3B - PFP Closure Project	9	9	+1	+2	+3	+4	+5	+6	MAR 2016	APR 2016	REMAIN FY16	FY17	FY18	FY19-FY24	0
			(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)		
g. TOTAL DIRECT	9	9	4	6	8	6	4	4	112	100	705	245	0	0	1236
			4	6	8	6	4	4	112	100	705	245	0	0	

CLASSIFICATION (When Filled In)



CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT									FORM APPROVED
FORMAT 5 - Explanations and Problem Analysis									OMB No. 0704-0188
1. CONTRACTOR		2. CONTRACT		3. PROGRAM				4. REPORT PERIOD	
a. NAME		a. NAME		a. NAME				a. FROM	
CH2M HILL Plateau Remediation Company		Plateau Remediation Contract		RL 0011_C2 PFP Demolition Capital Asset Project				2015 / 08 / 24	
b. LOCATION (Address and ZIP Code)		b. NUMBER		b. PHASE				b. TO	
Richland, WA		RL14788						2015 / 09 / 30	
c. TYPE		d. SHARE RATIO		c. EVMS ACCEPTANCE					
CPAF				No X Yes				2009 / 09 / 18	

5. Evaluation									
Direct Projects									
	Budget	Earned	Actuals	SV in \$	SV in %	CV in \$	CV in %	SPI	CPI
Current:	6,090	6,198	6,010	108	2%	188	3%	1.02	1.03
Cumulative:	6,090	6,198	6,010	108	2%	188	3%	1.02	1.03
	BAC	EAC	VAC in \$	VAC in %	TCPI to BAC	TCPI to EAC			
At Complete:	45,483	43,500	1,983	4%	1.00	1.05			

Explanation of Variance/Description of Problem:
 Within Threshold - See Monthly Summary Below

Impact:
 Within Threshold - See Monthly Summary Below

Corrective Action:
 Within Threshold - See Monthly Summary Below

Monthly Summary (to include technical causes of VARs, Impacts) and Corrective Action(s):
 DOE-RL-15-AMRP-0061, Direction to Develop Baseline Change Proposal (BCP) Supporting Documentation for RL-011.C1, Plutonium Finishing Plant (PFP) Decontamination and Dismantlement Capital Asset Project (CAP) and the Demolition CAP, dated February 3, 2015 requested CHPRC to develop and submit a proposed Demolition Capital Asset baseline and documentation to support DOE approval of an RL-011.C2 Baseline Change Proposal (BCP). BCR-PRC-15-054R0 was developed and implemented at the end of September, 2015 and establishes the RL-011.C2 PFP Demolition Capital Asset Project for execution of activities associated with the demolition of the PFP footprint, including moving of historical operational funded scope that should be part of the demolition capital asset project (i.e., procurement of large pieces of demolition equipment). The scope for the demolition of the PFP Closure Project was re-estimated to ensure the most current rate tables were applied so as the total project cost was reflected for this capital asset project.

The following items are addressed , as applicable, per the EVMSIH:

1. Schedule Margin Analysis: Schedule Margin durations were not adjusted this month.
2. IMS Data dictionary Changes: N/A
3. Forecast Schedule with No Baseline: N/A
4. UB Balance: N/A
5. Negative ACWP: N/A
6. EAC Analysis: Best Case = EAC; Most Likely = EAC + MR; Worst Case = ECWR or BCWR (whichever is greater) + ACWP + MR + Trend Log values not already included.
7. Negative CV > VAC: N/A
8. MR Transactions: N/A
9. Freeze Period Changes: N/A

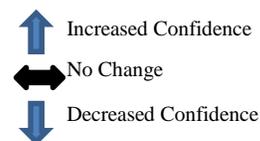
Prepared by: _____ **Date:** _____ **Approved by:** _____ **Date:** _____



RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments												
		Month	Trend													
RL-0011/WBS-011.05.C3 (CAP.2)																
Explanation of major changes to the project monthly spotlight chart:																
In the month of September RL-0011 incorporated RL-0011.C1, and RL-0011.C2 Capital Asset Projects. Risk spotlight chart was revised to reflect implementation of these projects.																
Realized Risks (Risks that are currently impacting project cost/schedule)																
No realized risks identified for RL-0011/WBS-011.05.C3 (CAP.2) in the month of September.																
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																
FY2016 Risk Triggers (Risk could be realized in FY2016)																
PFP-DEMO-21: Glove Box/Equipment Removal/Demolition Material Handling Event	A material handling event (E.g., dropped piece of process equipment) occurs during the PFP demolition resulting in cost impacts and schedule delays. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$150K, 44 days	●	↔	Risk Trigger: During pre-demolition/demolition activities in FY2016. Dates tracked in the FES.												
				<table border="1" style="width: 100%;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>None identified at this time.</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to adhere to the CHPRC ISMS program/ hoisting and rigging program to include detailed analyses of potential hazards and identification of preventive measures to implement prior to starting the work. At this time no alternative course of actions needed.</p>	Mitigation action(s)	FC Date	%	None identified at this time.	N/A	N/A						
Mitigation action(s)	FC Date	%														
None identified at this time.	N/A	N/A														
PFP-DEMO-07: Removal/Extraction of Equipment Takes Longer Than Planned	Controlled demolition of equipment, gloveboxes, and portions of the cross-cutting process support systems (i.e. ventilation) result in cost impacts, and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 45 days	●	↔	Risk Trigger: During pre-demolition/demolition activities in FY2016. Dates tracked in the FES.												
				<table border="1" style="width: 100%;"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Submit safety basis documents that allow for additional equipment (e.g., 242-Z Tanks) to be left in place for removal during demolition.</td> <td>10/31/15</td> <td>99</td> </tr> <tr> <td>Identify and pre-rig equipment with lifting slings.</td> <td>12/31/15</td> <td>50</td> </tr> <tr> <td>Apply fixative to internals of equipment intended to be removed during demolition to contain contamination.</td> <td>12/31/15</td> <td>99</td> </tr> </tbody> </table> <p>Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to develop work plans to incorporate required controls. At this time no alternative course of actions needed.</p>	Mitigation action(s)	FC Date	%	Submit safety basis documents that allow for additional equipment (e.g., 242-Z Tanks) to be left in place for removal during demolition.	10/31/15	99	Identify and pre-rig equipment with lifting slings.	12/31/15	50	Apply fixative to internals of equipment intended to be removed during demolition to contain contamination.	12/31/15	99
				Mitigation action(s)	FC Date	%										
				Submit safety basis documents that allow for additional equipment (e.g., 242-Z Tanks) to be left in place for removal during demolition.	10/31/15	99										
Identify and pre-rig equipment with lifting slings.	12/31/15	50														
Apply fixative to internals of equipment intended to be removed during demolition to contain contamination.	12/31/15	99														
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																
FY2016 Risk Triggers (Risk could be realized in FY2016)																

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments						
		Month	Trend							
RL-0011/WBS-011.05.C3 (CAP.2)										
PFP-DEMO-05: Inclement Weather	Inclement weather, including moderate winds, low or high temperatures and thunderstorms will impact the demolition of PFP. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$0K, 66 days *Cost increase will result in cost per day impacts from crews, and hotel load.			Risk Trigger: During pre-demolition/demolition activities in FY2016. Dates tracked in the FES.						
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>None identified at this time.</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	None identified at this time.	N/A	N/A
				Mitigation action(s)	FC Date	%				
None identified at this time.	N/A	N/A								
Mitigation Assessment: The mitigation strategies have been put in place, as a result, the risk strategy is to accept with no further mitigation actions identified at this time. PFP will continue to develop work plans to incorporate required controls. At this time no alternative course of actions needed.										
Unassigned Risks (Pending ownership of identified risks/opportunities)										
No unassigned risks identified for RL-0011 in the month of September.										

Critical Path Schedule

The critical path for this project runs through PFP non-capital asset activities. Following adjustments to the PRF Canyon characterization schedule in September, the new PFP Critical Schedule Path to slab on grade and completion of the RL-0011.C2 capital asset project flows through the 234-5Z duct level and filter box removal, then to the final focused decontamination throughout 234-5Z. This leads into 234-5Z Cold & Dark and Ready for Demo, allowing demolition of 234-5Z and attached facilities to commence. Once demolition is complete, stabilization of the PFP site is performed to reach the final Tri-Party Agreement milestone – M-083-00A - *PFP Facility Transition and Selection Disposition Activities*; after which CD-4 activities to close out the RL-0011.C2 project will be performed.

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a two year look ahead of commitments and Tri-Party Agreement enforceable milestones.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Significant Progress on Deactivation & Removal of 208 GB's and Disposal of all 236-Z Pencil Tanks	09/30/15		9/30/15	Complete
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		10/17/16	Stop works associated with Premeire breathing air suits/hoses in support of in-situ size reduction efforts caused the Tri-Party Agreement milestone date to slip. As the PFP Project continues to make progress on the behind schedule critical path work scope being performed it is anticipated that efficiencies will be recognized to bring the schedule into alignment with a completion date of September 30, 2016. However, this Tri-Party Agreement completion is currently at risk of meeting the September 30, 2016 commitment date.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.