



J. C. Fulton
President and Chief
Executive Officer

Monthly Performance Report

U.S. Department of Energy Contract,
DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

December 2013
CHPRC-2013-12, Rev. 0

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EXECUTIVE SUMMARY

- After restarting the Plutonium Reclamation Facility (PRF) canyon crane, Decommissioning and Demolition (D&D) teams safely removed pencil tank 38 and began cutting it apart to prepare it for shipment to offsite storage. Additionally, the Plutonium Finishing Plant (PFP) Closure team completed ventilation flow testing to provide data for future fan balancing to minimize the number of fans that need to be run, which minimizes the risk of burnout of fan motors.
- The Soil & Groundwater Remediation Project (S&GRP) closed out the calendar year with more than 1.9 billion gallons of groundwater treated and nearly 45,000 kilograms of contaminants removed in 2013.
- The 300 Area Record of Decision (ROD) was issued. This is the first of six RODs being put in place for cleanup on Hanford's 220-square-mile River Corridor. Cleanup actions to date have occurred under interim RODs.
- Implementation of the 105KE and KE Reactor facility final hazard categorization is complete. The KE facility is now a Less Than Hazard Category 3 Facility. Nearby at the adjacent 105KW Reactor, construction of the KW Annex continued with concrete placements, form setting and erection of cold weather closures for future concrete placements.
- At an awards ceremony in early December, CHPRC received the Excellence in Hazardous Materials Management Award for an employee-led innovative Emergency Response Trailer.



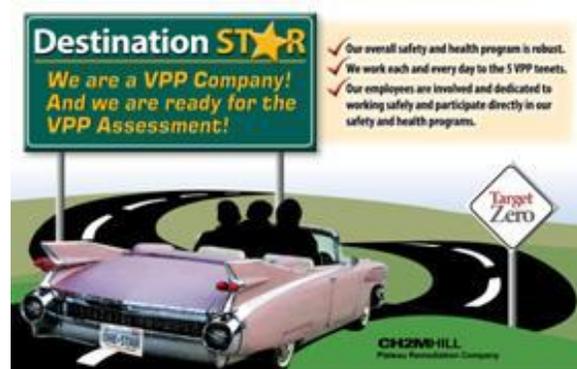
Concrete placement continues at the KW Annex, which will house sludge retrieval equipment



CHPRC Nuclear Chemical Operator Russ Lowery is presented an award from the Eastern Washington Chapter Academy of Certified Hazardous Material Managers

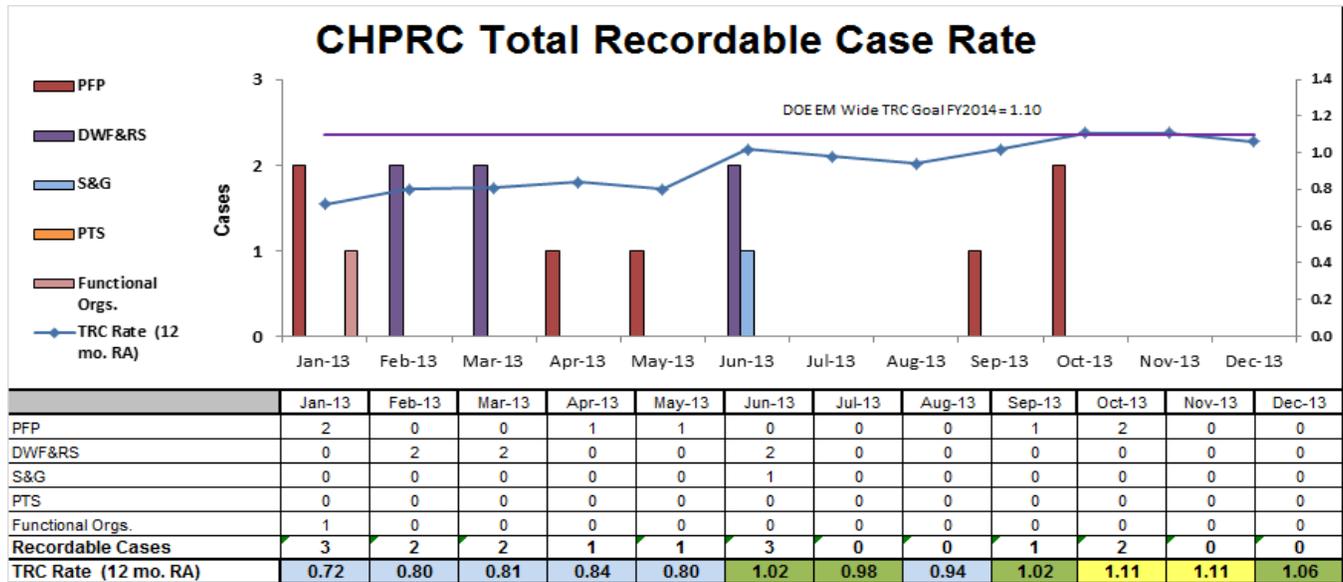
Focus on Safety

- The President's Zero Accident Council (PZAC) for December 2013 was hosted by the Business Services Organization, marking the organization's first time as host and the meeting was enormously successful. The three main themes of the meeting were:
 - Holiday Travel – Are You Prepared
 - De-Stressing the Holidays
 - VPP Onsite Assessment
- The first presentation of the meeting was a clever skit about a family's holiday travel focusing on preparing for and safely negotiating the hazards of driving and walking in a winter wonderland. Next, the crowd heard suggestions and strategies for shrinking stress during the holidays. The de-stressing techniques, remarkably similar to methods CHPRC uses to do work safely, included proactive planning, monitoring individual health, knowing your limits and when to ask for help, and staying safe. The following presentation celebrated CHPRC's Voluntary Protection Program (VPP) and galvanized the attendees for the January 2014 DOE-VPP Onsite Review by reminding them of our many successes, including increased employee involvement, management leadership initiatives, and nationally recognized achievements. The remainder of the meeting included Stretch and Flex, the Tri-Cities Food Bank thanking CHPRC for their community service, a 2013 review of the Environmental Management System, the safety performance review and Good News Stories.
- Five "Thinking Target Zero" (TTZ) bulletins were published in December to convey important environmental and occupational safety and health messages:
 - DOE-VPP Assessment
 - Stretch and Flex
 - VPP: What to Expect
 - Holiday Safety
 - EMS Ice Melt
- December *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - Return to Work After Thanksgiving – Focus on Safety
 - Slippery Surfaces
 - Scissor Lift Safety
 - Hanford Stop Work Procedure
 - Journey to VPP Star
 - Medical Mobility Equipment Safety
 - VPP Employee Involvement
 - Cold Stress
 - VPP Assessment Preparations
 - Chemical Labeling
 - Control of Working Hours and Working Alone
 - DOE-VPP in Field Activities
 - Automated External Defibrillators and Extreme Temperatures
 - Red Wing Shoe Recall
 - "What Would You Do?" Ethics Awareness messages
 - Injury/Illness Summaries and the TTZ of the week

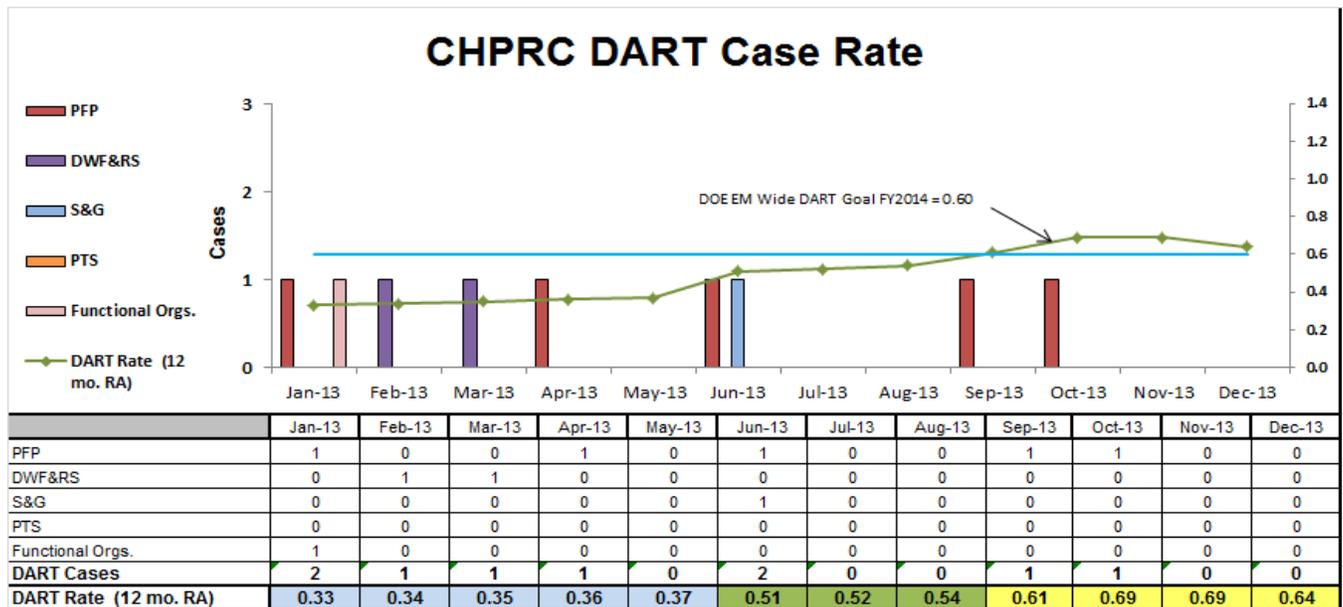


TARGET ZERO PERFORMANCE December 2013

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



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 1.06 is based on a total of 15 recordable injuries (6 Recordables and 9 DART cases). There were no Recordable/DART cases in December 2013. One case from October 2013 was determined to be Recordable following receipt of further medical evaluation/investigation.

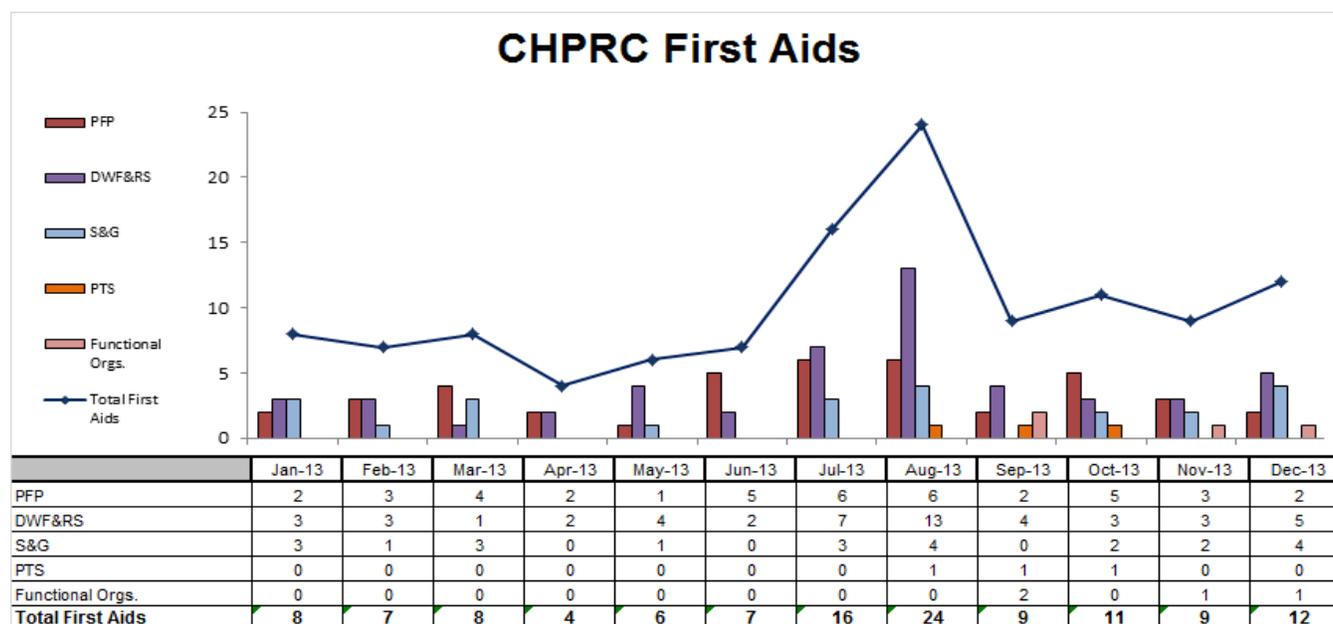


Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.64 is based upon a total of nine Days Away cases. There were no DART cases in December 2013. One case from June 2013 was updated to DART due to recent days away.

Actions to address DART cases include: Developed briefing materials for supervisors to help them better understand and manage occupational injuries and illnesses; safety communication campaign emphasizing injury precursors and reduction techniques for common injury types; working closely with site medical provider to provide ergonomic review and recommendations to prevent strains and soft tissue injuries.

NOTE: The DOE-EM TRC rate goal is unchanged (1.1) and the DOE-EM DART rate goal is also unchanged (0.6) for FY2014.

* The monthly numbers indicated in the chart are updated to reflect the month in which the injury occurred. The rates also capture any changes resulting from reclassified cases or those added as a result of completed investigations.



First Aid Case Summary – CHPRC reported 12 first-aid cases in December 2013. The contributors were five sprains/strains/pains, four abrasions/contusions, two miscellaneous injuries, and one cut to the finger.

KEY ACCOMPLISHMENTS

Projects

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

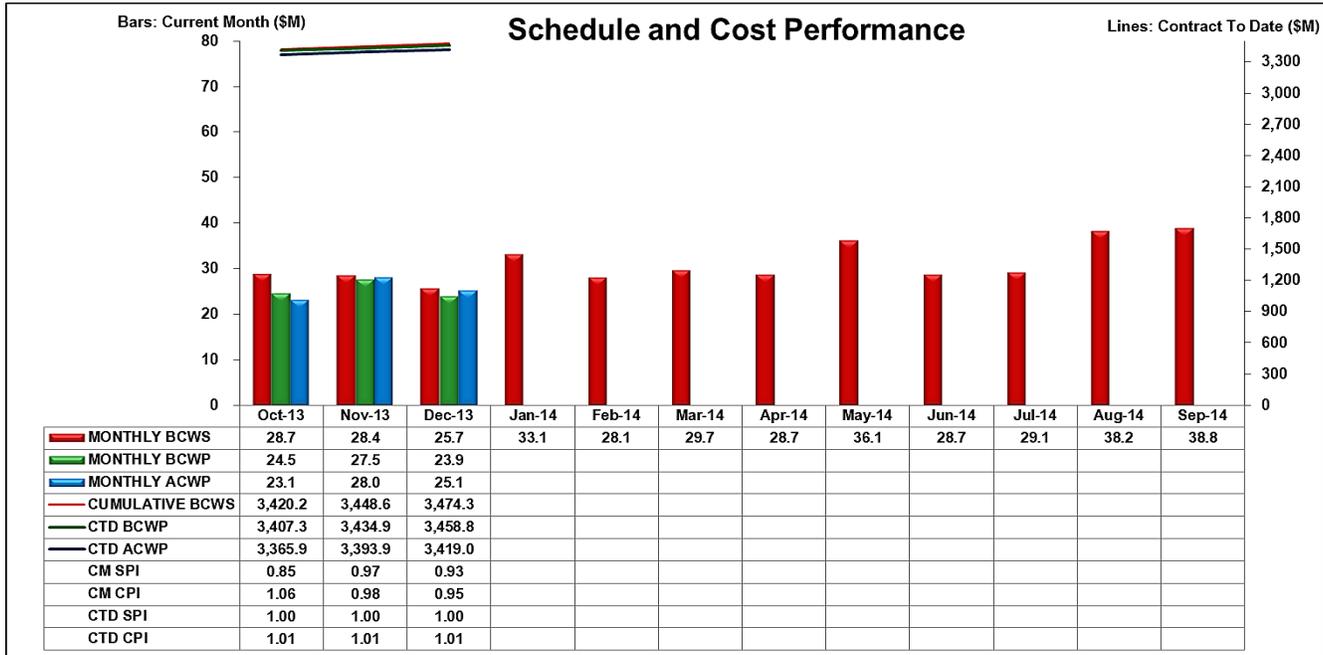
Project Services and Support

- 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



	\$M						\$M					\$M		
	Current Period			Contract to Date			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	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	7.7	6.0	7.5	(1.6)	(1.5)	645.5	632.1	663.7	(13.4)	(31.6)	932.5	961.2	(28.7)	
RL-0012 - SNF Stabilization & Disposition	3.9	3.8	3.5	(0.2)	0.3	395.0	394.6	403.2	(0.4)	(8.6)	690.6	694.7	(4.1)	
RL-0013 - Solid Waste Stab & Disposition	5.7	5.8	5.4	0.1	0.4	809.0	809.1	789.3	0.0	19.8	1,325.1	1,257.2	67.9	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	6.7	6.9	7.5	0.2	(0.6)	926.3	924.6	919.3	(1.6)	5.4	1,489.2	1,480.6	8.6	
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.7	0.6	(0.1)	0.1	378.6	378.5	349.1	(0.1)	29.4	482.7	451.2	31.6	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.5	0.5	0.1	0.0	0.4	303.4	303.4	280.4	0.0	23.0	390.5	367.2	23.2	
RL-0042 - Nuc Fac D&D - FFTF Project	0.3	0.2	0.3	(0.1)	(0.2)	16.5	16.5	14.1	(0.0)	2.5	26.5	24.6	1.9	
(Numbers are rounded to the nearest \$0.1M)	Total	25.7	23.9	25.1	(1.7)	(1.2)	3,474.3	3,458.8	3,419.0	(15.5)	39.8	5,337.0	5,236.6	100.4

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$100.4M with \$74.5M of Management Reserve for a total positive variance of \$174.9M. For December, the project is ~6.8% behind schedule and ~4.9% over planned cost.

Schedule performance in December was primarily due to:

- RL-0011 – Process vacuum and transfer line removal efforts deferred due to field work teams reassigned to high-hazard work scope, apportioned activities in the D&D Project Support account that align with the delays in discrete D&D work scope, primarily balance of 234-5Z work scope, and to unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing tank 127 and had to repackage waste containers due to high NDA readings.

Cost performance in December was primarily attributed to:

- RL-0011 – Associated with progress on discrete D&D work scope (apportioned) while a constant staff provides D&D support services, higher than planned MSA craft support for non-rad facilities, increased labor to support DSA modifications (assumed one and working on three), unplanned work associated with size reduction on Pencil Tank 127 in PRF, and increased labor support from Fire Protection Engineering while normal assigned engineer is on medical leave.

FUNDING ANALYSIS

FY2014 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2014		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	107.8	105.7	2.1
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	57.8	56.5	1.3
RL-0013	Waste and Fuels Management Project	78.3	78.1	0.2
RL-0030	Soil, Groundwater and Vadose Zone Remediation	109.5	105.5	4.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.1	10.8	0.4
RL-0041	Nuclear Facility D&D, River Corridor	7.6	7.3	0.3
RL-0042	Fast Flux Test Facility Closure	2.3	2.2	0.1
Total Base:		374.5	366.1	8.4

Funds/Variance Analysis:

FY2014 Projected Funding did not change in December and remains at \$374.5M.

BASELINE CHANGE REQUESTS

In December 2013, CHPRC approved and implemented five (5) BCRs. The change requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for December 2013		
BCR-011-14-001R0	<i>Correct Waste Calculations in FY2014 PMB Update</i>	This BCR corrects the waste disposition budget within PBS-0011 (WBS 011.05.C2.13) for fiscal years 2014, 2015 and 2016. This change decreased the PMB by \$2,445K.
BCR-013-14-004R0	<i>Remove ERDF Transition Planning from the PMB</i>	This BCR removes FY2013 scope associated with transition planning for reassignment of the Environmental Restoration Disposal Facility (ERDF) from the PMB. The RL FY2014 PMB Budget Update Guidance directed CHPRC to place transition planning for ERDF from WCH to CHPRC into CLIN 7 through FY 2018. The associated FY2014 – FY2018 scope was moved in the FY2014 PMB update but FY2013 was overlooked. This change decreased the PMB by \$37K.
BCR-040-14-002R0	<i>RL-040 Deletion of Out-Year Duplicate/Not Required Waste Site Remediation Scope</i>	This BCR deletes PBS RL-0040 out-year work scope associated with remediation of waste sites 600-217, 600-285, 600-286, and 600-287. Waste Site 600-217 was reclassified as rejected and the completion milestone closed on August 22, 2011. Waste sites 600-285, 600-286, and 600-287 were completed with American Recovery and Reinvestment Act funds during remediation of the 200 North OU CW-3 Sampling & Remediation. This resolves an RL comment on the FY2014 PMB Update. This change decreased the PMB by \$2,469K.
BCR-PRC-14-005R0	<i>Global Harmonization System CO199</i>	This BCR adds scope to PBS RL-0011, RL-0012, RL-0013, RL-0030, RL-0040, RL-0041 and RL-0042 as required by Contract Modification (Mod.) 299 which is the definitization of Change Order (CO) 299, Global Harmonization System. This change increased the PMB by \$292K.
BCRA-PRC-14-005R0	<i>FY2014 FOC Group Updates</i>	This BCR realigns the FOC Groups in FY2014 to align with the current CHPRC Organization Structure. This change had no impact on the PMB budget.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	N/A	2013 - 2018	\$0

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-PRC-14-005R0	<i>Global Harmonization System CO199</i>	2014 - 2018	\$23K

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):

December 2013 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
November 2013 Estimate									
PMB	3,391,477	373,535	425,376	420,856	360,946	369,460	1,950,173	5,341,649	5,341,649
MR	0	5,000	7,527	25,295	23,666	13,035	74,523	74,523	74,523
Fee	155,504	13,941	13,100	19,800	8,800	16,600	72,241	227,745	227,745
Total	3,546,981	392,476	446,003	465,951	393,412	399,095	2,096,937	5,643,918	5,643,918
December 2013 Change									
PMB									
Change to PMB	0	-186	-18	-2,134	-2,314	-6	-4,659	-4,659	-4,659
MR									
Change to MR	0	0	0	0	0	0	0	0	0
Fee									
Change to Fee	0	23	0	0	0	0	23	23	23
Total Change	0	-163	-18	-2,134	-2,314	-6	-4,635	-4,635	-4,635
December 2013 Estimate									
PMB	3,391,477	373,348	425,358	418,722	358,631	369,454	1,945,514	5,336,991	5,336,991
MR	0	5,000	7,527	25,295	23,666	13,035	74,523	74,523	74,523
Fee	155,504	13,965	13,100	19,800	8,800	16,600	72,265	227,769	227,769
Total	3,546,981	392,313	445,985	463,817	391,097	399,089	2,092,302	5,639,282	5,639,282

Changes to/Utilization of Management Reserve in December 2013

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
November 2013 MR Totals								
RL-0011	0	1,800	3,000	8,000	8,000	0	20,800	20,800
RL-0012	0	1,300	2,000	6,000	5,000	0	14,300	14,300
RL-0013	0	500	500	2,000	2,066	3,500	8,566	8,566
RL-0030	0	750	1,277	3,660	2,700	4,400	12,787	12,787
RL-0040	0	300	400	2,135	1,800	2,256	6,891	6,891
RL-0041	0	300	300	3,450	4,000	2,779	10,829	10,829
RL-0042	0	50	50	50	100	100	350	350
Total	0	5,000	7,527	25,295	23,666	13,035	74,523	74,523
December 2013 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
December 2013 MR Totals								
RL-0011	0	1,800	3,000	8,000	8,000	20,800	20,800	20,800
RL-0012	0	1,300	2,000	6,000	5,000	14,300	14,300	14,300
RL-0013	0	500	500	2,000	2,066	5,066	8,566	8,566
RL-0030	0	750	1,277	3,660	2,700	8,387	12,787	12,787
RL-0040	0	300	400	2,135	1,800	4,635	6,891	6,891
RL-0041	0	300	300	3,450	4,000	8,050	10,829	10,829
RL-0042	0	50	50	50	100	250	350	350
Total	0	5,000	7,527	25,295	23,666	61,488	74,523	74,523

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 10/1/2008 -12/31/2013				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
	\$ Value	%	Goal %	Contract-to-date awards:	\$2,072,228,218
				Bal remaining to award:	\$334,622,342
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,022,922,795	49.36%	49.3%	\$1,186,577,326	163,654,531
SDB	\$177,666,145	8.57%	8.2%	\$197,361,746	19,695,601
SWOB	\$199,205,972	9.61%	7.5%	\$180,513,792	(18,692,180)
HUB	\$54,457,861	2.63%	2.2%	\$52,950,712	(1,507,148)
VOSB	\$120,017,110	5.79%	3.5%	\$84,239,770	(35,777,340)
SDVO	\$56,811,435	2.74%	1.3%	\$31,289,057	(25,522,378)
NAB	\$28,215,199	1.36%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
Large	\$560,806,863	27.06%	N/A		
GOVT	\$2,127,919	0.10%	N/A		
GOVT CONT	\$482,866,522	23.30%	N/A		
EDUCATION	\$89,941	0.00%	N/A		
NONPROFIT_	\$3,211,583	0.15%	N/A	Total Contract (mod 306):	5,680,738,872
FOREIGN	\$202,593	0.01%	N/A	17% rqmt:	965,725,608
Total	\$2,072,228,218	100.00%	N/A	SB actual:	1,022,922,795
				Bal to rqmt	(57,197,187)

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.07B in goods and services with over 49.3% going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93% 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

December 2013
CHPRC-2013-12, 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	-	198 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	- ft.	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	- ft.	1,153 feet
Pencil Tank Units Removed	-	115 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	-m ³	41 m ³
TRU/TRU-M Shipped	12 m ³	1,292 m ³
LLW/MLLW Shipped	83 m ³	4,369 m ³

- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is now at 85 percent complete.
- Size reduction and seal-out of Pencil Tank Assembly 127 (Tank 127) was completed. Began size reduction of Pencil Tank Assembly 38-Failed (Tank 38-Failed).
- Work continued on the mechanical isolation of the Miscellaneous Treatment (MT) gloveboxes. Drained CCL4 line in PRF from Room 50 down into Room 41 and removed 25 feet of piping. Drained Enerpac hydraulic line and packaged Enerpac shell and secondary spill basin.
- Removed 75 feet of piping from above MT-4 to West wall in Room 41.
- Work continued on removal of the PRF chemical lines and interferences preventing access to the third floor criticality drain. Completed removal, down-sizing, and packaging of D-1 line.
- Completed Column Glovebox Service Piping Removal and Drained CUX line, CXX line, and CCXF line in PRF Corridor 31.
- Continued scraping, vacuuming, and wiping down the second floor level, PRF west gallery gloveboxes.
- Finished de-con and down-posting of the 242-Z Airlock.
- Initiated the electrical intrusive work in A-Labs to support initial entries into 242-Z.

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
14-EMS-PFP-OB2-T1	Establish/verify NESHAP compliance under CERCLA for a major emissions unit	Provide basis for minimum requirements based on lesson learned from the Federal Government shutdown and NESHAP compliance matrix for 291-Z-1 stack under CERCLA	Obtain current DOH inspection check list and determine applicability to 291-Z-1	12/31/13	Completed 12/19/13
			Combine applicable parts of past air license compliance matrix and internal NESHAP inspection checklist	3/31/14	On schedule
			Develop a basis for minimum required maintenance activities for 291-Z-1 and incorporate into document from action #2.	6/30/14	On schedule
			Obtain concurrence from Central EP&SP	9/30/14	On schedule
14-EMS-PFP-OB1-T1	Demonstrate compliance with all asbestos requirements that are pertinent to PFP	Establish a defensible and conservative asbestos compliance program at PFP that will stand up to the scrutiny of federal, state and local regulators	Review & comment on development of the new CHPRC level asbestos Regulatory Analysis Memorandum (CERCLA based).	12/12/13	Completed 12/12/13
			Review & comment on the modification of an existing asbestos characterization plan Desk Instruction (DI)	1/31/14	On schedule
			ECO asbestos requirements education and training.	7/31/14	On schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	4	
Total Recordable Injuries	0	7	
First Aid Cases	2	41	<ul style="list-style-type: none"> • 12/18/2013 - Employee rolled left ankle while exiting car (23259) • 12/23/2013 - Employee slipped on an icy concrete sidewalk striking head and back (23257)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Completed Confinement Ventilation System (CVS) flow testing. Engineering is currently reviewing test results and subsequent report is being developed.
- Declared implementation of the Enhanced Maintenance Plan (EMP) Revision 1

11.05 Disposition PFP Facility

242-Z

- Verified operability of video equipment for 242-Z
- Repaired covering of breezeway between 242-ZA and 2727-Z
- Continued electrical investigation in A-Labs for electrical intrusions

RMA

- For the HA-9A GB in Room 235-A3:
 - Relocated the Glovebox shaker motor to allow for size reduction work on the motor-table and on the motor itself
 - Commenced size reduction work on the motor-table
- Substantially completed removal of remnant E-4 ducting in Rooms 235A-2 and 235A-3

RMC

- For the HC-18BS, -5C, -18M (upper)/HC-1H, -1J glovebox assembly in Room 228-C:
 - Completed removal of the 26-in vacuum, halon piping, and hygrometer associated with the Gloveboxes.
 - Completed application of fixative on internal surfaces
- For the HC-17SBB, -17P, -17DC/HC-1G glovebox assembly in Room 228-C:
 - Completed removal of the 17-inch vacuum piping.
 - Completed removal of the scale-box and support-beam.
 - Completed application of fixative on internal surfaces
- Completed set-up of draining equipment and completed draining of the concentrated nitric acid piping in Room 227
- For the HC-9B GB in Room 228-A:
 - Completed removal of the Glovebox mezzanine-structure to allow proper access for Glovebox internal equipment stripout.
 - Completed activation of the gloveports associated with the Glovebox.
 - Installed viewing window at one of the gloveports to assist with future internal size-reduction efforts.

Backside Rooms

- Room 169 HA-40F GB D&D effort:
 - Removed Glovebox D3 drain line
 - Completed electrical isolation and removal of two Glovebox heat-activated-detectors (due to legacy contamination, removal of one required installation of a radiological containment device)
 - Drained and removed internal calciner-furnace water cooling system
 - Inactivated the Glovebox criticality safety drain
 - Completed disassembly, cleanout and removal of one of two calciner furnace assemblies

Plutonium Reclamation Facility (PRF)

- Size reduction and seal-out of Pencil Tank Assembly 127 (Tank 127) was completed. Began size reduction of Pencil Tank Assembly 38-Failed (Tank 38-Failed).
- Work continued on the mechanical isolation of the Miscellaneous Treatment (MT) gloveboxes.
- Drained CCL4 line from Room 50 down into Room 41 and removed 25 feet of piping.
- Drained Enerpac hydraulic line, packaged Enerpac shell, and secondary spill basin.

- Removed 75 feet of piping from above MT-4 to West wall in Room 41.
- Work continued on removal of the PRF chemical lines and interferences preventing access to the third floor criticality drain. Completed removal, down-sizing, and packaging of D-1 line.
- Drained CUX line, CXX line, and CCXF line in Corridor 31.
- Continued scraping, vacuuming, and wiping down the second floor level, PRF west gallery gloveboxes.

MAJOR ISSUES

Issue – When polyurethane foams react, the result is in an exothermic reaction that could cause a self-ignition. To understand the potential impacts of fire concerns two densities of fire retardant foam were evaluated (2lb; 6lb) at Southwest Research Institute (SWRI). The Hughes Associates Inc. (HAI) report recommended that a single large volume pour test be performed to fully understand the potential for self-ignition events. CHPRC/PFP has determined that this test is not necessary.

The following issues are not related directly to the exothermic reaction, but are general fire concerns:

1. The foam products tested represent a significant fire hazard. Even with the fire retardants added, the foam will be consumed in a fire event. The HAI report recommended that foamed gloveboxes be protected from exposure fire with non-combustible materials.
2. In addition to the fire hazard, the foam products produce a significant quantity of soot when burned. Will need to re-evaluate the soot loading calculations and incorporate information into the FHA and DSA. This calculation derives the required number of on-line HEPA filter rooms.
3. As a result of the HAI report, RL is asking questions about the decision process and is recommending that other, non-combustible products be evaluated.

Corrective Action – PFP will evaluate HAI recommendations and will also ensure to follow the manufacturer's procedures to safely deploy foam in lifts that are $\leq 18''$ in rise and allow subsequent cure times between lifts. PFP will also monitor the exothermic reactions during the second mockup demonstration conducted at ERDF. Alternatives analysis will be based on the results and conclusions of the Hazards Analysis.

PFP will also evaluate additional alternate foaming agents to reduce the concerns with off gases and exothermic reaction that could cause a self-ignition.

Status – During the month of December, the Initiative to implement capabilities to foam components within 234-5Z, 242-Z, and 236-Z progressed.

- Readiness activities to allow for foaming at PFP started with the completion of RA field execution scheduled and completion of the technical description and level of review score sheet
- Completed the hazard identification/evaluation process sessions
- Continued revision to the Fire Hazard Analysis
- Identified 6 alternate foam products with improved combustibility properties for evaluation
- Requested samples of alternate foam products to support evaluation of material properties
- Began drafting evaluation of foam alternatives
- Revised foaming schedule to accommodate evaluation of alternative foam products

Issue – During a Value Engineering (VE) study that was conducted in the spring of 2013, an initiative began to procure breathing air compressors and Level B encapsulating suits with PremAire respirators to support intrusive entries when working in the 242-Z Americium Facility.

Corrective Action – Procurement of PremAire respirators actively being pursued to support timely completion of the PFP Facility to Slab on Grade by September 30, 2016.

Compressor Status – Contract for Breathing Air Delivery System was awarded on 5 December, 2013. System will be delivered within 90 days of contract award. Engineering design work for the compressor connection to the end point user connections in 242-ZA is in progress.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
Overarching PFP Risks				
PFP-009: Aging Building Systems/Components Problems Impact Planned D&D Activities	Included life extension upgrades as part of FY-13 Annual Baseline Update and include HEPA filter replacement, replacement of air compressors, and electrical switchgear upgrades. Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.			Teams continued to work EMP Rev.1 actions to complete by March of 2014. Completed the replacement for aged motor EM-5 in 291-Z. Maintenance activities will continue to be performed to keep the facility in a safe and compliant configuration until such time as the MAR has been removed and the DSA backout plan has been implemented.
PFP-062: Ability to Use Permafix Northwest for Glovebox Size Reduction	In the event of Permafix Northwest closing PFP is continuing to evaluate the appropriate team sizes to perform size reduction efforts. In addition PFP will continue to work with CWC for long term storage capabilities.			In the event size reduction capabilities at PFP will need to be established or more waste will be shipped to CWC for long term storage.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13. Investigation completed in the month of March. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers. Issues Change Order 240, Mitigation of Chemical Lines at PFP was received by CHPRC on October 7, 2013 with a limitation not to exceed \$500K prior to the definitization of the change. A formal change proposal has been developed, formally submitted to RL and discussions are ongoing with RL on the definitization of the change.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations were successful to extend respiratory protection time with the ratification of the Collective Bargaining Agreement effective November 11, 2013. The PFP project has implemented extended dives since implementation of the agreement, and longer stay times in the field are being realized. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning continues with a special project team to implement actions to accomplish the new vision for the D&D path forward.
PFP-083: System Back-Out Plan Implementation Extends Schedule	Identify Back-out Plan implementation activities, durations, logic ties, and resources; and integrate these activities in the project execution schedule. Work activities may be re-sequenced to minimize impacts to the critical path schedule. Where needed, utilize subcontractors with credibility and experience for analysis and document preparation support. Work closely with DOE-RL and Regulators to identify review points to streamline approval process and reduce approval turnaround durations.			Back-out Plan has been reviewed and updates have been identified. Logical Sequence flowchart has been updated. Implementation activities, durations, and logic ties have been identified, and these activities are in the process of being integrated in the project execution schedule.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PPF-084: System Back-out Plan Necessitates Changes to Demolition Preparation	Create integrated teams to develop and review the requirements and criteria documents (i.e. fire, nuclear, environmental, waste, etc.). Work closely with DOE-RL and Regulators to identify Go/No-Go criteria for remaining material stabilization to defer removal until final demolition. Project specific risks are in place to address individual projects.	●	↔	Back-out Plan and Logical Sequence flowchart are being updated to reflect current approach and methodology for demolition preparation and end-point determination. Implementation activities, durations, and logic ties have been identified and these activities are in the process of being integrated in the project execution schedule.
PPF-086: Alternate/Temporary System Capabilities Required Prior to Building Demolition	Management Reserves may be required to acquire equipment and services to provide the required alternate temporary facility system services and functions during demolition preparation. Identify MAR that may remain and identify CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.	●	↓	Alternate temporary facility system services and functions needed during demolition preparation are being identified. Activities to identify MAR to remain and decision points to deactivate ventilation and fire systems are being identified. Activities are being identified to evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.
242-Z Risks				
PPF-242-04: Dose Rates in 242-Z are Higher Than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates.	●	↔	Contingent teams are being deployed for work package development and field work prep activities to enable a smooth transition when field work is schedule to start.
PPF-242-06: More RH-TRU than Planned from 242-Z	Utilize results from radiological and analytical characterization to develop size reduction plans. Work with the waste packaging and characterization group to understand requirements for RH-TRU waste and packaging techniques to minimize RH-TRU waste.	●	↔	Contingent teams are being deployed for work package development and field work prep activities to enable a smooth transition when field work is schedule to start.
291-Z Risks				
PPF-291-01: 291-Z Characterization Unknowns	Develop characterization plans and objectives. Review historical documentation of facility construction and accident event reports. Incorporate characterization information into facility work plans and execution documents.	●	↔	Opportunities are being evaluated to characterize early during maintenance activities which cause fans to be terminated. The plan of the week/day will be the communication tool to determine when early characterization can be conducted.
Balance of Plant Decontamination/Decommissioning Risks				
PPF-BOP-02: Overall D4 Schedule Impacts From Interferences Between Sub-projects	The facility has developed an integrated priority list for all in-plant activities for resource assignment in accordance with priority. PFP has developed team communication meetings to prioritize resources on a daily basis. External facility resources are prioritized through MSA between PRC subprojects. These techniques ensure the resources are assigned to the highest priority work. Identify new D&D filed teams to conduct Walk-downs and Work package development to improve interfaces within subprojects.	●	↔	Evaluation of additional field teams to start work in the duct level continued through the month of December. To mitigate schedule slippage characterization efforts are underway for E4 ducting/Filter boxes to determine waste disposition paths. In addition field team sizes will continue to be evaluated to ensure resources are available when needed to support the duct level work efforts.

PFP Demolition Risks				
PFP-DEMO-08: Experienced Demolition Crews	Initiate demo planning early to establish contracting mechanisms at least one year prior to the need to begin demolition activities in order to have contracts in place to meet schedule. Complete more detailed facility characterization to support needed contract statement of work.			Currently discussions are being held with WCH to identify when D&D workers will be available to perform D&D of 9 ancillary facilities in the spring of 2014. CHPRC is evaluating follow-on scope to keep the D&D work force on staff to ensure that the PFP will be able to be demolished as scheduled by September, 2016. Currently D&D workers are projected to be available to support the PFP Project in March, 2014.
PRF Cleanout/Decontamination Risks				
PFP-PRF-01: PRF Canyon Cleanout Scope Increases	Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach. Failure to achieve end-point criteria to support open air demolition is a basis for Change Request to DOE.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PFP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth	Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.			The PRF canyon crane is in service and pencil tank size reduction activities are on-going.
PFP-PRF-10: Unable to Eliminate Need for Supplied Air for PRF	Initiate planning efforts to obtain Nondestructive Assay information on the condition of the canyon as early in the project as feasible. As characterization data is obtained, the approach to the cleanup of the canyon will be adjusted according. Additional activities may have to be performed remotely.			To mitigate supplied air entries panning is underway, with the special projects group, to implement a 2013 Value Engineering initiative to deliver breathing air systems into 236-Z if needed.
RMA/RMC Glove Box Removal Risks				
OPPORTUNITY: PFP-GB-01A: High Gram Box Disposition - FOAM	The responsibility for the implementation on the use of expanding foam at PFP has been assigned to personnel within the PFP Special Projects organization and is essentially being managed as a project. Lessons learned from other DOE sites that have used expanding polyurethane foam for similar applications are being used to facilitate implementation at PFP. The Risk Evaluation Board (REB) will be used to employ senior management personnel from CHPRC and DOE-RL to help resolve any significant issues associated with the use of foam.			Efforts continue under the special projects organization to implement the foaming initiative to foam selected components throughout 234-5Z and 236-Z. In the month of December the project determined that an additional evaluation will be conducted to determine alternate foaming agents due to the fire analysis that was performed on desired foaming agent
PFP-GB-05: Dose Rates for RMA/RMC Removal Higher than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates other than requesting dose-rate extensions for workers.			As an integral part of the work planning process, dose rates are measured at the work site(s) and evaluated by radiological engineering personnel. Appropriate mitigating steps are then implemented through the planning process (e.g., use of temporary shielding, remote handling, work sequencing, additional dosimetry, etc.). Real-time dosimetry is used for most GB D&D workers, which gives individuals a constant readout for their dose; this will alert workers and management to changed conditions and allow tracking of cumulative dose relative to applicable limits. In addition, NDA data are evaluated as part of the planning process to indicate high-holdup areas of a GB, which often correlates to dose. This can help identify areas of work requiring additional controls and enables target removal of high-hold up materials earlier in the process to reduce dose rates for subsequent activities.

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	7.7	6.0	7.5	(1.6)	-21.4%	(1.5)	-25.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$1.6M/-21.4%)

Current Month negative schedule variance is due to process vacuum and transfer line removal efforts deferred due to field work teams reassigned to high-hazard work scope, apportioned activities in the D&D Project Support account that align with the delays in discrete D&D work scope, primarily balance of 234-5Z work scope, and to unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing tank 127 and had to repackage waste containers due to high NDA readings.

CM Cost Variance: (-\$1.5M/-25.1%)

The current month unfavorable cost variance is associated with progress on discrete D&D work scope (apportioned) while a constant staff provides D&D support services, higher than planned MSA craft support for non-rad facilities, increased labor to support DSA modifications (assumed one and working on three), unplanned work associated with size reduction on Pencil Tank 127 in PRF, and increased labor support from Fire Protection Engineering while normal assigned engineer is on medical leave.

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	645.5	632.1	663.7	(13.4)	-2.1%	(31.6)	-5.0%	932.5	961.2	(28.7)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$13.4M/-2.1%)

The CTD Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$31.6M/-5.0%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$28.7M/-3.1%)

The variance at completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and prior year unrecoverable costs. The project is advancing a strategic path forward to achieve the slab-on-grade completion date of 2016.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The EAC changes from November to December are a result of re-planning remaining work-scope to get the PFP Project to Slab on Grade by September 2016.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	107.8	105.7	2.1

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

FY2014 work authorization received from RL reflects revised projected funding from \$391.6M to \$374.5M. A reallocation of projected funding at \$374.5M has been incorporated in this month's reporting. The Spending Forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

In order to accelerate project completion, building demolitions at PFP have been re-sequenced to better align with current building readiness dates. This re-sequencing has created two new parallel critical paths that lead into the beginning of demolition. The first new critical path at PFP consists of completing D&D work on the Backside Rooms/Labs area of 234-5Z. Once complete, the team will transition into the 234-5Z basement to perform all drain line removals, then grout all tunnels and cavities in the basement to ensure structural stability during demolition. After basement grouting is completed, final decontaminations will be performed throughout 234-5Z to ensure a ready for demo state.

The second new critical path involves removing contaminated Duct/Filter boxes, Process Transfer Lines, and Process Vacuum lines in the 234-5Z Duct Level. Once completed, this team will focus on removing materials prohibited during demolition. Finally, the team will perform final decontaminations throughout 234-5Z to get the building in a ready for demo state. At this point, both paths conjoin to kick-off the start demolition on 234-5Z, 242-Z, 242-ZA, and finally 236-Z, leading to completion of the final TPA Milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCR-011-14-001R0 – *Correct Waste Calculations in FY2014 PMB Update*

BCR-PRC-14-004R0 – *FY2014 FOC Group Updates*

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

MILESTONE STATUS

None identified at this time.

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)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

December 2013
CHPRC-2013-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The Project continued work on the 100K Annex Construction with completion of structural concrete placement for the facility. Work also continued on the structural steel design package and the remaining Design Change Notices (DCNs) to resolve issues from the constructability review for concrete and structural steel. Remaining constructability review comment incorporation has been placed on hold due to the funding decrement case.
- The project is anticipating the DOE approval of the CD-2/3 package and the Preliminary Documented Safety Analysis (PDSA) and Safety Design Strategy (SDS) documents in January 2014.
- Work is continuing on the Integrated Process Optimization Demonstration (IPOD) with successful completion of the divider plate 30 minute run per the test procedure (PRC-STP-TPR-00832), the STSC integrated leak test with the new linebacker gaskets was complete with the leak rate being less than the acceptable limits determined by bounding design calculations and STSC air inlet modifications preliminary demonstrations were conducted to assess system operability with results showing a three-times increase in flow into the STSC air inlet from previous flow switch/flow meter configuration. With the increased airflow, in the event of ventilation loss, the system will self-reset the nitrogen purge system without having to manually close nitrogen purge system valves when ventilation is restored.
- Shop acceptance testing of the Hose-in-Hose Transfer Lines (HIHTLs) for the K West Annex hose chase was completed by River Bend Transfer Systems LLC in South Bend, Indiana. Testing included hose lot qualification tests (burst tests, steady state high pressure/high temperature test, and tensile strength tests) on samples from each hose lot used in the manufacture of the HIHTL assemblies, and proof pressure tests of each primary and secondary hose assembly. Testing was witnessed by the HIHTL Design Authority and an Acquisition Verification Services (AVS) inspector.
- Testing activities for K West garnet filter media testing continued at the Maintenance and Storage Facility (MASF). Awaiting garnet media to complete vessel loading for the next test phase (delayed delivery due to weather). Design/fabrication on an automated retrieval system that could eventually be programmed into the existing ECRT-PNL-101 retrieval skid continued.
- T Plant Design Work continued on design of modifications to receive sludge transfer and storage containers.
- STP 100K Operations Interface Completed calculations and safeguards termination of Settler Sludge. Operations and RadCon attended a team-building training session. Additionally the initial draft of the Formality of Operations Improvement Evaluation (DWF&RS-2014-MA-12958) was sent out for review and comment. This evaluation is to establish existing performance following six months of implementation of CHPRC-02021, *Formality of Operations Improvement Plan*.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	1	9	12/12/13 – Employee opened drawer in cabinet and had dust particulates become airborne, which came in contact with face, causing irritation. (23242)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Integrated Process Optimization Demonstration (IPOD)

- The IPOD demonstrations continued with successful completion of the divider plate 30 minute run per the test procedure (PRC-STP-TPR-00832).
- STSC air inlet modifications were made to remove the existing flow meter and flow switches and replace them with a single flow meter/flow switch combination to reduce system head loss.
- The STSC integrated leak test with the new linebacker gaskets was complete with the leak rate being less than the acceptable limits determined by bounding design calculations.
- STSC air inlet modifications preliminary demonstrations were conducted to assess system operability. Results showed a three-times increase in flow into the STSC air inlet from previous flow switch/flow meter configuration. With the increased airflow, in the event of ventilation loss, the system will self-reset the nitrogen purge system without having to manually close nitrogen purge system valves when ventilation is restored.
- Shop acceptance testing of the HIHTLs for the K West Annex hose chase was completed by River Bend Transfer Systems LLC in South Bend, Indiana. Testing included hose lot qualification tests (burst tests, steady state high pressure/high temperature test, and tensile strength tests) on samples from each hose lot used in the manufacture of the HIHTL assemblies, and proof pressure tests of each primary and secondary hose assembly. Testing was witnessed by the HIHTL Design Authority and an AVS inspector.

K West Annex Construction

- Completed installation of the reinforcing steel for the sand filter second lift, HIH chase foundation, truck stop, loading bay stairs, housekeeping pad within the loading bay and change room west slab and completed subsequent concrete placement.
- Continued surface concrete repairs of loading bay walls.
- Released one of the remaining Design Change Notices (DCNs) to resolve issues from the constructability review for concrete and structural steel. Remaining constructability review comment incorporation has been placed on hold due to the funding decrement case.
- Set forms and erected cold weather concreting enclosures and completed concrete placement for change room east slab, outside HIH chase base, and final lift required for the sand filter base.

T Plant Design Work

- Review and approval of the facility modification package releasing the design drawings for the containment, leveling frames, leak detectors, and several lifting devices was completed.
- As an outcome of the RCR comment resolutions, the nitrogen purge system design will be modified accordingly, and three equivalencies are expected to be processed and sent to RL for approval.
- Critical lift plans were completed and engineering calculations continue to progress.
- STP 100K Operations Interface - Completed calculations and safeguards termination of Settler Sludge.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns  Increased Confidence
 Working - Concern  No Change
 Working - Critical  Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS 012				
STP-002: STP Uncertainties	The majority of the risk mitigation strategy has been completed; only IPOD and cold commissioning runs with final design and production hardware remains prior to installation in the basin. The project has utilized bounding design parameters to limit control systems to the extent practicable. Testing of integrated components/systems will ensure technologies are transferable to the basin application/environment. Demonstrated TRL-4 at CD-0/1 and TRL-6 at CD-2/3.			CD 2/3 DOE approval expected in January. <i>Continuing Integrated Process Optimization Demonstration at MASF.</i>
STP-067A: Safety Significant Components STP-067B – OPPORTUNITY: Safety Classification of SSC’s	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with DOE to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA has been submitted to RL.			PDSA at RL for acceptance and anticipated in January.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.			Contractor addressing cold weather impacts from December.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews and constructability reviews have been completed, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a streamlined approach for handling contractor submittals and RCIs.			Annex construction is progressing. Design change process is minimizing impact.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC is proceeding with contract strategy for the Annex Construction.			Ongoing negotiations with FE&C for construction of Annex. Several CHPRC project personnel were seconded to support the activities.

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	3.9	3.8	3.5	(0.2)	-4.2%	0.3	6.9%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.2M/-4.2%)

Variance is within reporting thresholds.

CM Cost Performance (+\$0.3M/6.9%)

Variance is within reporting thresholds.

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	395.0	394.6	403.2	(0.4)	-0.1%	(8.6)	-2.2%	690.6	694.7	(4.1)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.4M/-0.1%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$8.6M/-2.2%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2014		Spend Variance
	Projected Funding	Spending Forecast	
RL-0012	57.8	56.5	1.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

The spend variance is the MR value which is funded, but is not in the project's EAC forecast.

Critical Path Schedule

The STP Critical Path is funding constrained in FY2014 resulting in the process equipment procurement deferred into FY2015/2016. The critical path subsequently flows through the installation of process equipment, then operational acceptance testing of the facility modifications, annex process equipment, readiness activities at the K West basin, the operational readiness review, and finally containerized sludge retrieval operations. Retrieval operations includes 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-PRC-14-004R0 – *FY2014 FOC Group Updates*

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

MILESTONE STATUS

(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. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin sludge removal from 105-KW Fuel Storage Basin	09/30/2014		09/01/2018	This Tri-Party Agreement completion has been greatly impacted by funding reductions and sequestration. It is currently unattainable and needs to be re-negotiated.

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)



L. T. Blackford
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Decommissioning, Waste,
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Services (DWF&RS)

December 2013
CHPRC-2013-12, 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. Liquid Effluent Facilities (LEF) received 3 tankers, 8k gallons Effluent Treatment Facility (ETF) completed the maintenance outage and initiated processing waste from Liquid Effluent Retention Facility (LERF) Basin 42. The project also removed Geo Tubes containing over 12,000 pounds of soil from Basin 42 and 44 as part of the cleanup of the LERF covers. Canister Storage Building (CSB) completed annual air handler high-efficiency particulate air filter (HEPA) testing. Waste Receiving and Processing Facility (WRAP) completed Glovebox Differential Pressure Indicator (DPI) calibrations for PDISL-318 & 341. Central Waste Complex completed a report identifying drums with a higher potential for corrosion in Solid Waste Information Tracking System (SWITS). The report contains 75 drums and establishes a method for identification of those drums that have observed corrosion.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Reduce the risk of noncompliance with environmental requirements.	Develop 6 compliance matrices for DWF&RS Permits or CERCLA Work Plans.	09/30/14	On Schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	3	39	<ul style="list-style-type: none"> 12/11/13 - Employee was in awkward positions while cleaning a sump pump. Body part affected: Hip (23240) 12/12/13 - Employee lifted a piece of equipment with arm extended. Body part affected: Shoulder (23247) 12/31/13 - Employee reported walking hit a slick spot causing a fall. Body part affected: Knee, hand, back (23267)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued to work with RL on multiple changes to the contract scope of work

13.02 Capsule Storage & Disposition

- Continued with 10-ton crane brake repairs
- Completed monthly Technical Safety Requirement (TSR) and environmental Preventive Maintenance (PM)
- Completed Tank 100 Radiation Indicator Transmitters (RIT)
- Complete pool cell liner inspections

13.03 Canister Storage Building (CSB)

- Completed:
 - Second 10-year gas sample on MCO H-189
 - Annual air handler high-efficiency particulate air filter (HEPA) testing
 - Annual MHM brake hoist testing
 - 10-year air handler HEPA replacement
 - Annual MHM lube and inspection
 - Monthly Technical Safety Requirement (TSR) and environmental preventive maintenance (PM)

13.06 TRU Repackaging

- Received TR-1307 four SWBs from Perma Fix Northwest (PFNW) into CWC building 2403WD completing the process for two Fiberglass Reinforced Plastic (FRPs) processed at PFWN

13.07 Waste Receiving and Processing Facility (WRAP)

- Completed:
 - Glovebox Differential Pressure Indicator (DPI) calibrations for PDISL-318 & 341 (TSR)
 - Surveillances
 - 15 Technical Safety Requirement (TSR) surveillances
 - 16 Preventive Maintenance (PM) packages
 - 100 Radiological (Rad) surveillances
 - 52 Operational surveillances

13.08 T Plant

- Completed:
 - Beryllium sampling in 221T head-end and 221T May Pack Lab
 - 2706TA annual ACT-2 deluge (PM)
 - Annual SAC surveillance
 - 271T Complex and 2706T quarterly fire system testing and inspection (TSR)
- Surveillances:
 - Five TSR surveillances
 - 360 Rad surveillances
 - 32 PM packages
 - 259 Operational surveillances
- Shipments:
 - Shipped one shipment of recyclables totaling four drums and 11 boxes to Centralized Consolidation/Recycling Center (CCRC)

13.09 Central Waste Complex (CWC) and Low Level Burial Grounds (LLBG)

- Developed CWC recovery plan CWC-RP-13-003 to overpack a 55-gallon drum (#0042703) identified with excessive corrosion and material on the exterior of the drum and a mixed waste drum #0054898 overpacked in an 85-gallon drum
- Received TR-1307 four SWBs from Perma Fix Northwest (PFNW) into 2403WD completing the process for two Fiberglass Reinforced Plastic (FRPs) previously processed at PFWN
- Developed, approved and performed a recovery plan to overpack drum #0054898, due to corrosion identified during weekly Resource Conservation and Recovery Act of 1976 (RCRA) container inspections
- Applied monthly fixative to 231ZDR-11 box and surrounding area

- Finished report identifying drums with a higher potential for corrosion in Solid Waste Information Tracking System (SWITS). The report contains 75 drums and establishes a method for identification of those drums that have observed corrosion.
- Overpacked two Hanford Engineering Development Laboratory (HEDL) drums #0035501 and #0035699
- Completed the annual facility chemical inventory
- Remediated soil erosion areas at 4B and 12B
- Completed CWC and LLBG Annual SAC surveillance requirements work packages
- Performed 24 month fire system testing at 2727W
- Relocated scaffolding in Trench 94 in preparation for surveys
- Completed:
 - Eight TSR surveillances
 - 19 PM packages
 - 217 Rad surveillances
 - 76 Operational surveillances
- Shipments:
 - Received five shipments totaling 24 drums and four standard waste boxes (SWBs) of transuranic mixed (TRU/M) waste from Plutonium Finishing Plant (PFP)
 - Shipped one shipment of recyclables totaling one drum to CCRC
 - Received three shipments of Mixed Low-Level Waste (M/LLW) totaling three boxes and six drums from Perma-Fix Northwest and M&EC-TN. The waste was disposed into Trench 31.

13.11 Liquid Effluent Facilities (LEF)

- Annual tank inspections on schedule to support startup of processing Basin 42
- Completed Effluent Treatment Facility (ETF) Maintenance Outage
- Started ETF processing waste from Liquid Effluent Retention Facility (LERF) Basin 42
- Completed Winterization of LERF Cleanup equipment
- Completed cleanout and annual inspection of ETF sump 1
- Received 92 tankers:
 - 416K gallons (calendar year [CY])
- Treated effluent to State-Approved Land Disposal Site:
 - 0.7M gallons (8.7M CY)
- Discharged to 200A Treated Effluent Disposal Facility (TEDF):
 - 2.48M gallons (27.8M CY)
- Received Environmental Restoration Disposal Facility (ERDF) Leachate
 - 64K gallons (2.14M CY)

Liquid Effluent Retention Facility (LERF) Basin activities

- **All Basins**
 - Continued with surveys/posting verification activities
 - Completed monthly inspections with no cover breaches identified
- **Basin 44:**
 - Removed GeoTube containing 7,305 pounds of soil
- **Basin 43**
 - Completed winterization
- **Basin 42:**
 - Removed GeoTube containing 4,700 pounds of soil

13.12 Integrated Disposal Facility

- Completed monthly, quarterly and annual calibrations and inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed:
 - o Scaffold relocation from below reactor compartments in main offload area and placed scaffolds on the northeast side of ramp. Ready to complete down posting surveys in Trench 94
 - o One TSR surveillance
 - o 24 Rad surveillances
 - o Five Operational surveillances
- Shipments:
 - o Received three shipments of MLLW totaling 10 boxes and one drum from PFNW and disposed in Trenches 31 and 34

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			BCR implemented in November to incorporate Mod 299 for EPA Consent Agreement and Final Order. Ecology Agreed Order continues in discussion with the regulators.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts. Contractor continuing to process waste received.
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			Continuing to address biological contamination at Trench 94. LERF cover cleaning halted for weather. Implementation of corrective actions associated with transportation incident.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform routine surveillances (daily/weekly) of containers within the SWOC storage areas and identify abnormalities. Develop a "watch-list" for containers that have existing corrosion to monitor for signs of accelerated corrosion. Develop plans for dealing with degraded/abnormal containers. Discrepant containers may require additional monitoring, patching, covering or overpack as required. If a breach is identified, implement response procedures and perform response actions as appropriate.			Legacy containers in expansion area are requiring additional resources. FY2014 containers identified for covering. Four containers were overpacked in December. Seventeen containers were added to the "Watch List". Six drums remain to be overpacked.

WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> • LERF cover cleaning halted for weather. Continuing to monitor for signs of leakage. • ETF Heat Exchanger procurement initiated in October. FY2014 RL priorities necessitated the cancellation of the procurement and deferral (including installation) to FY2015. • Continuing to experience greater than planned maintenance at ETF and LERF. • WESF roof replacement completed – Punch list items to be completed in spring. • T Plant has identified significant work to maintain fire barriers in the facility
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			<ul style="list-style-type: none"> • Working with RL on Ecology Agreed Order

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	5.7	5.8	5.4	0.1	0.9%	0.4	6.5%
Numbers are rounded to the nearest \$0.1M							

CM Schedule Performance (+\$0.1M/+0.9%)

The current period favorable schedule variance is within threshold.

CM Cost Performance (+\$0.4M/+6.5%)

The current period favorable cost variance is within threshold.

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	809.0	809.1	789.3	0.0	0.0%	19.8	2.4%	1,325.1	1,257.2	67.9
Numbers are rounded to the nearest \$0.1M										

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

The schedule variance is within threshold.

CTD Cost Performance (+\$19.8M/+2.4%)

The favorable cost variance is within threshold.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The change in EAC from November to December is within threshold.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	78.3	78.1	0.2

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2014 work authorization received from RL reflects revised projected funding from \$391.6M to \$374.5M. A reallocation of projected funding at \$374.5M has been incorporated in this month's reporting. The Spending Forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-14-004R0 – *Remove ERDF Transition Planning from the PMB*

BCR-PRC-14-004R0 – *FY2014 FOC Group Updates*

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

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. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-026-07C	Evaluation of Tritium Treatment Technology to EPA & Ecology	3/31/14		3/31/14	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)



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M. N. Jaraysi
Vice President for
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December 2013
CHPRC-2013-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Work included Pump-and-Treat (P&T) Operations and Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) remedial process documentation for the River Corridor and Central Plateau. Sampling and groundwater treatment completed in December 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	26.5	78.1	22.9	68.6	-	-	-	-	-	-
HX P&T	24.4	72.3	2.2	7.1	-	-	-	-	-	-
KR-4 P&T	11.1	34.1	0.4	1.4	-	-	-	-	-	-
KW P&T	13.5	39.6	1.4	4.6	-	-	-	-	-	-
KX P&T	20.1	63.1	2.0	6.2	-	-	-	-	-	-
200 West P&T	65.9	169.3	6.4	16.1	246	635	4,631	12,424	1.03x10 ¹¹	2.18x10 ¹¹
Combined	161	456	35.3	104.1	246	635	4,631	12,424	1.03x10¹¹	2.18x10¹¹

Sampling	December	FY2014 Cumulative
Well Sampling Events	143	504
Aquifer Tube Sampling Events	70	147
Total Number of Sampling Events	213	651
Samples Collected	1404	3221
Analyses Performed	1870	5572

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-SGWR-OB1-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Update air emissions baseline for 200 West Pump-and-Treat Facility and evaluate data to identify if additional air modeling is warranted and whether opportunities exist to reduce air-toxic emissions.	9/30/14	On schedule
		A tabulation of emissions, in mass per year, for constituents of concern (i.e., all constituents analyzed for during sampling events). Evaluation results will be documented as a Worksite Assessment(s).	Quarterly	25% complete
14-SGWR-EMS-OB2-T1	Reduce the amount of toxic and/or hazardous materials in the environment	Pump and treat 1.8 billion gallons of contaminated groundwater from all pump and treat facilities during FY2014.	9/30/14	On schedule
		The volume of contaminated groundwater that is treated as measured in gallons.	Monthly	456.4M gallons treated through 12/31/13

Objective #	Objective	Target	Due Date	Status
14-SGWR-EMS-OB3-T1	Reduced resources use (fuel use)	Evaluate opportunities to discharge purgewater to ground from newly drilled wells.	9/30/14	On schedule
		Report results of evaluation by Well ID/Well Name.	Monthly	90% complete
14-SGWR-EMS-OB4-T1	Reduce fuel consumption/greenhouse gas emissions and increase resource utilization (sampling, well maintenance, and waste management personnel)	Seek EPA and Ecology approval to manage miscellaneous solid waste (MSW) from well sampling and maintenance activities in one centralized area.	3/30/14	On schedule
		This target will be met upon submittal of TPA Change Notice to DOE, EPA, and Ecology.	Status at completion	25% complete

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	4	25	<p>12/10/2013 – Employee was setting instrument down when he contacted his right index finger, causing it to bleed. Employee went to HPMC, was treated for the wound, and returned to work without restrictions. S&GRP (23238)</p> <p>12/12/13 – Employee was entering rear doors of a sample van when his foot slipped on the bumper. While attempting to catch himself on the handle he experienced a sharp pain in his left shoulder. Employee was treated at HPMC and returned to work with restrictions that did not prevent him from performing routine work. S&GRP (23241)</p> <p>12/23/13 – Employee reported ear pain from a test fire alarm. Employee was taken to the 200 West first aid station and released to work with no restrictions. S&GRP (23258)</p> <p>12/30/13 – Employee slipped on ice while exiting MO2227. Employee was taken to the 200 West first aid station, was provided an ice pack and returned to work with no restrictions. S&GRP (23264)</p>
Near-Misses	0	3	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations

RL 30 Integration & Assessments

Environmental Integration

- River Corridor Strategic Integration Team – Developing a RCRA/CERCLA integration white paper that addresses Central Plateau operable units and Treatment, Storage and Disposal (TSD) units and relates to an existing ORP white paper addressing Single Shell Tank Waste Management Area C.

River Corridor

100-BC-5 Operable Unit

- Drilling continued on the boreholes and construction of the monitoring wells. These wells are being installed as part of TPA Milestone M-015-76 due February 28, 2014.
- The third of three months of high frequency sampling was completed for 8 of the 22 recently installed aquifer tubes. Initial results were favorable and consistent such that RL and EPA have agreed that the frequency of sampling can be reduced.

100-KR-4 Operable Unit

- Submitted Monitoring Plan, decisional draft, for RL review on December 9, 2013.
- Submitted Operations and Maintenance Plan, decisional draft, for RL review on December 23, 2013.

100-HR-3 Operable Unit

- Submitted Monitoring Plan, decisional draft, for RL review on December 9, 2013.
- Initiated Operations and Maintenance Plan internal review on December 23, 2014.
- Resolved path forward for Ecology RI/FS comments associated with upgradient contamination and revegetation/recharge; finalizing comment response package and text updates for concurrence.

100-FR-3 Operable Unit

- On December 12, 2013, the Proposed Plan was sent to EPA legal for review. Comments are expected in January and the final Rev. 0 Documents (RI/FS, proposed plan and fact sheet) will be completed in the January-April timeframe.

Central Plateau

200 West Pump and Treat

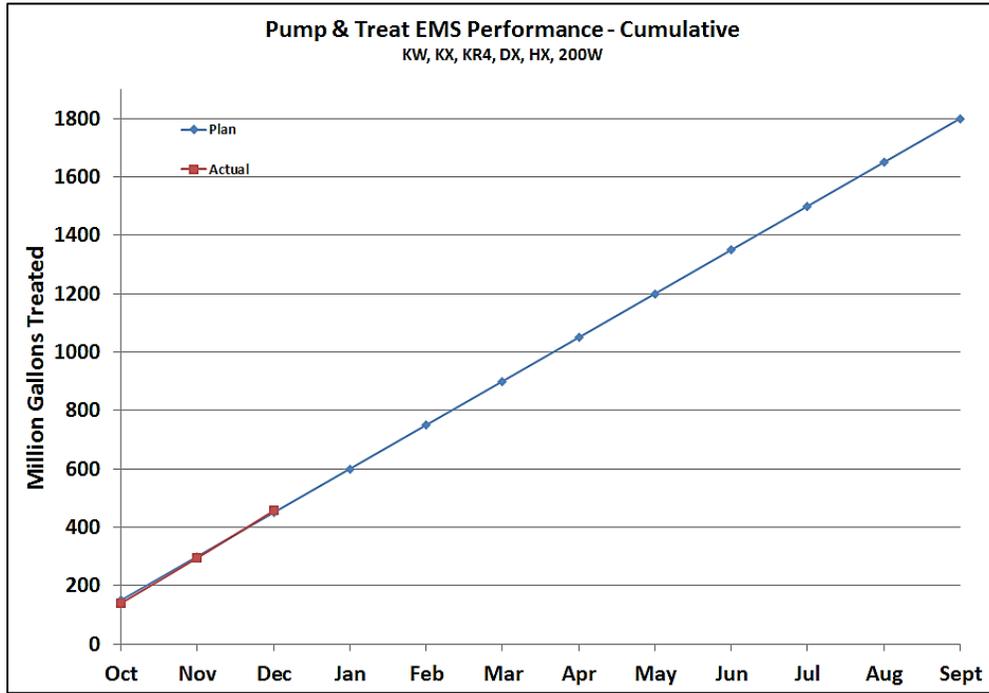
- Average pumping rate for December was 1,453 gpm.
- Effluent concentrations remain below cleanup levels specified in Record of Decision (ROD).
- A total of three short unplanned shutdowns occurred during the month of December 2013. These shutdowns were caused by a failure in the level transmitter for the recycle tank, radio failure in ITB-3, and a data switch in the RAD building.

200-DV-1 Operable Unit

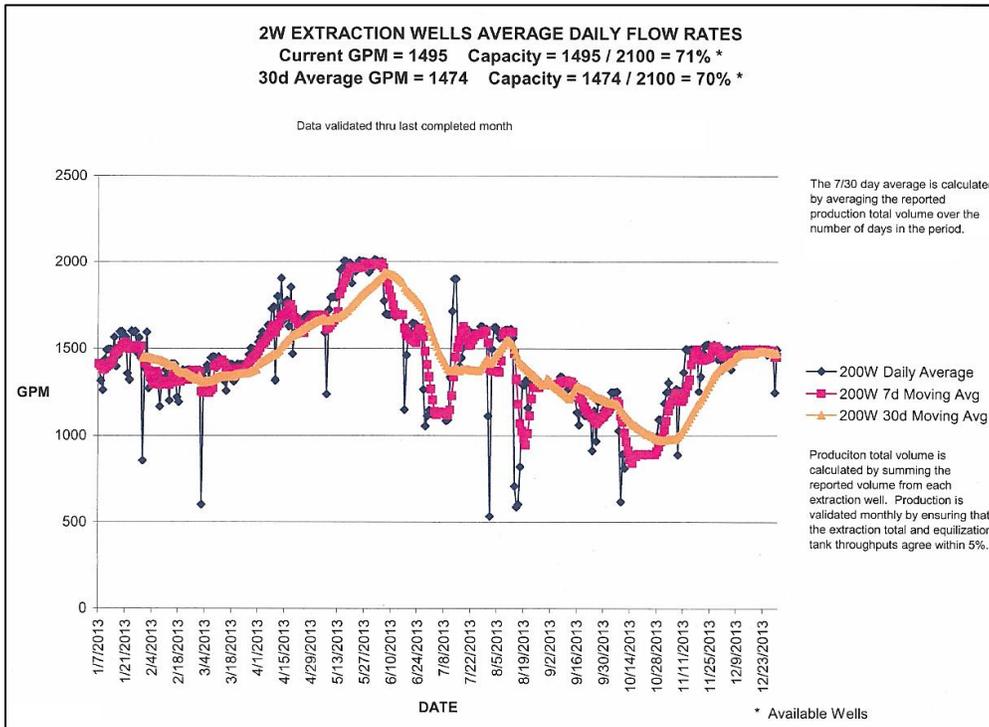
- The B Area perched water extraction system removed 4,371 gallons in December, bringing the total volume of perched water removed to 174,540 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of December:

Contaminant	December	Cumulative (since startup)
Tc-99	5.4E-04 Ci	20.9E-03 Ci
Uranium	1.5 kg	31.9 kg
Nitrates	7.8 kg	360.4 kg

FY2014 Pump and Treat Operations



200 West Pump and Treat Operations



MAJOR ISSUES

Issue – The 100-K RI/FS and Proposed Plan documents are on hold pending drilling and sampling of 100-K East Reactor waste site characterization wells (116-KE-3 and UPR-100-K-1) and associated modeling. EPA has stipulated that these results are required to be incorporated into the RI/FS prior to Rev. 0 signature. These activities are currently planned in PBS 41 as non-contract work scope that will be implemented in FY2015. This delay in completing the characterization impacts the RI/FS, ROD, and remedy implementation.

Corrective Action – Complete the drilling and sampling of 100-K East Reactor waste site characterization wells and associated modeling so the RI/FS can be completed.

Status – The recent FY2014 PMB update included the K-East Reactor waste site characterization wells as non-contract work scope within FY2015 target funding for PBS 41. RL and CHPRC are working to resolve scope and schedule associated with 116-KE-3 and UPR-100-K-1 waste site characterization and the resultant modeling activities such that activities can be planned in the PMB. Coordinating with RL to determine the previous agreements with EPA regarding commitment to perform characterization and the associated schedule.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.			Continue to work open issues with RL and Ecology. Significant progress has been achieved over the past month. A successful meeting was held between RL and Ecology on November 13, 2013.
SGW-159: Ability to Maintain Flow Rates through Pump and Treat Units	Acquire technical specialist in bio-reactor operation at 200 West P&T to oversee the complexity associated with the water volume/flow and evaluate optimization and nutrient additions to the bed reactor. Installation of additional extraction or injection wells may be required to maintain required flow rates. Operate and maintain equipment within the Pump and Treat process to maintain maximum operational efficiency and minimize down-time.			A full time bio-reactor specialist is now working at 200 West P&T. The specialist is working on optimizing volume of feed material (carbon substrate) and vitamins to the fluidized bed reactor. Four additional injection wells are scheduled to be installed in FY2014 to ensure there is adequate capacity to allow several injection wells to be offline for cleaning while still maintaining 2,000 gpm pumping rates.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-135: Major Equipment Failure at a Pump & Treat	For the P&T facilities, maintenance will continue with the established Preventative Maintenance and Corrective Maintenance program. Utilize trending to monitor precipitate and bio-fouling of injection wells. Utilize trends to optimize well cleaning frequency to keep injection wells clear of precipitate and bio-fouling. Install additional injection wells to increase injection capacity and plan down-time for injection well cleaning cycles. Continue staff training on equipment and processes. Maintain spare-parts inventory.	●	↔	Pump and treat plants operating as designed. 200-West P&T continuing to experience higher than planned maintenance due to injection well bio-fouling and instrumentation issues.

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 (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0
RL-0030.O1 RL 30 (Operations)	6.7	6.9	7.5	0.2	2.9	(0.6)	-9.1
RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	<u>0.0</u>	<u>0.0</u>	<u>(0.0)</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
Total	6.7	6.9	7.5	0.2	2.9	(0.6)	-9.2

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (+\$0.2M/2.9%) is within reporting thresholds.

Current month schedule variances that exceed reporting thresholds are as follows:

RL-0030.O1 RL 30 Operations (+\$0.2M/2.9%)

200-ZP-1 Operable Unit (+\$0.3M)

The current month positive schedule variance is a result of performing regeneration work on wells earlier than planned due to injection water limitations. Similarly, due to the need to increase 200 West P&T injection capacity, some minor modifications were performed earlier than planned in the baseline. No impact is expected to FY2014 overall deliverables.

CM Cost Performance (-\$0.6M/-9.2%) is within reporting thresholds.

Current month cost variances that exceed reporting thresholds are as follows:

RL-0030.O1 RL 30 Operations (-\$0.6M/-9.1%)

RL-30 CHPRC Allocations (-\$0.5M)

This variance is a result of the recent required Work Force Restructuring (WFR) activity that was implemented in December. A BCR will be completed to address the addition of BCWS to the baseline for this work scope.

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)
RL-0030.C1 GW Remedy Implement	73.4	73.4	87.1	(0.0)	-0.0	(13.7)	-18.6	73.4	87.1	(13.7)
RL-0030.O1 RL 30 (Operations)	585.7	584.1	568.3	(1.6)	-0.3	15.8	2.7	1,148.6	1,129.6	19.0
RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.4	0.0	0.0	0.6	0.4	175.0	174.4	0.6
RL-0030.R1.2 Well Drilling Operations	40.7	40.7	38.4	0.0	0.0	2.4	5.8	40.7	38.4	2.4
RL-0030.R1.3 Support Operations	<u>51.4</u>	<u>51.4</u>	<u>51.1</u>	<u>(0.0)</u>	<u>-0.0</u>	<u>0.3</u>	<u>0.5</u>	<u>51.4</u>	<u>51.1</u>	<u>0.3</u>
Total	926.3	924.6	919.3	(1.6)	-0.2	5.4	0.6	1,489.2	1,480.6	8.6

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$1.6M/-0.2%) – All CTD schedule variances are within reporting thresholds.

CTD Cost Performance (+\$5.4M/+0.6%) – Cost performance is within reporting thresholds. Variances that exceed threshold are primarily the result of prior year activity that has been previously reported:

RL-0030.C1 GW Remedy Implement (-\$13.7M/-18.6%)

200-ZP-1 Operable Unit (-\$13.7M)

The variance is primarily due to 200 West Pump and Treat cost for the construction contractor's completed work scope as defined in change notifications as well as increased cost for the sludge stabilization system installation.

RL-0030.O1 RL 30 Operations (+\$15.8M/+2.7%)

Integration and Assessments (+\$6.8M)

The variance is primarily the result of less subcontractor support required for Central Plateau strategy development in prior years due to deferral of decision document activities as a result of funding reprioritization. This work has been rescheduled.

Drilling (-\$2.8M)

The negative cost variance is primarily the result of radiological contamination encountered in prior year drilling activity on 100-NR-2 wells; which has been previously reported.

Project Management (+\$3.9M)

CTD underruns are a result of efficiencies and savings that have been achieved in labor, contracts, and materials over the entire contract period.

Integrated Field Work (+\$3.3M)

Efficiencies have been obtained by reducing subcontracts, reducing the number of cell phones, returning rentals, and loaning labor to other projects for better utilization of personnel.

100-NR-2 Operable Unit (+\$2.7M)

The positive cost variance is primarily the result of savings achieved in prior years in completing barrier expansion sampling, chemical treatment, maintenance, jet grouting pilot test, and RI/FS work scope for less than planned.

200-PW-1 Operable Unit (+\$2.6M)

The positive cost variance is primarily the result of efficiencies realized in general operations and other savings as a result of obtaining Regulator approval to not run Soil Vapor Extraction Units (SVEs) in FY2013.

Regulatory Decisions and Closure Integration (+\$2.2M)

The positive cost variance is due to completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling, borehole drilling, landfill characterization and document preparation for 100-BC-5 validation and Data Quality Assessment (DQA) Reports.

Ramp-up and Transition (-\$2.8M)

The cost variance is primarily the result of increased prior year Project Services Distribution.

RL-0030.R1.2 Well Drilling Operations (+\$2.4M/+5.8%)Drilling (+\$2.4M)

The positive cost variance is primarily the result of savings achieved in 100-NR-2 and 200-BP-5 well drilling activities in a prior year.

RL-0030.R1.3 Support Operations (+\$0.3M/+0.5%)Regulatory Decisions and Closure Integration (+\$1.7M)

The positive cost variance is primarily the result of efficiencies obtained in a prior year for multi-incremental sampling, borehole drilling, and landfill characterization work scope.

Estimate at Completion (EAC)

The EAC change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	109.5	105.5	4.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2014 work authorization received from RL reflects revised projected funding of \$374.5M. The spending forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-14-004R0 – *FY2014 FOC Group Updates*

BCR-PRC-14-005R0 – *Global Harmonization System CO199*

FY2014 Management Reserve (Funded): \$0.75M

No Management Reserve was used during December.

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant achievements in project execution. Enforceable TPA 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 TPA milestones. The following table is a one year look ahead of TPA enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr. FY2013 Burial Ground Sample Results	TPA	12/15/13	12/10/13		Complete
M-015-76	Install additional wells monitoring network as specified in revised 100-BC-1, 2 and 5 RI/FS Work Plan/SAP	TPA	2/28/14		2/28/14	On schedule
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			On November 15, 2013, a draft TPA Change Package was provided to Ecology to adjust the milestone due date to the end of fiscal year 2014. On December 3, 2013, Ecology responded and disapproved the milestone extension citing lack of good cause. On December 10, 2013, RL evoked TPA dispute resolution and requested an extension to resolve issues at the Project Manager level. On January 3, 2014, Ecology agreed to extend the dispute period to February 14, 2014. Discussions are currently ongoing.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			On November 15, 2013, a draft TPA Change Package was provided to Ecology to adjust the milestone due date to the end of fiscal year 2014. On December 3, 2013, Ecology responded and disapproved the milestone extension citing lack of good cause. On December 10, 2013, RL evoked TPA dispute resolution and requested an extension to resolve issues at the Project Manager level. On January 3, 2014, Ecology agreed to extend the dispute period to February 14, 2014. Discussions are currently ongoing.
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr. FY2014 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On schedule
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14		6/1/14	On schedule
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr. FY2014 Burial Ground Sample Results	TPA	6/15/14		6/15/14	On schedule
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14			Milestone is not funded in FY2014 and RL will self perform.
M-024-65-T01	Conclude Discussions of Well Commitments	TPA	8/1/14		8/1/14	On schedule
M-091-40L-043	PMM Submittal Apr-Jun 3rd Qtr. FY2014 Burial Ground Sample Results	TPA	9/15/14		9/15/14	On schedule
M-015-38B	Submit Revised FS & PP for CW-1, -CW-3, & OA-1	TPA	10/30/14			Milestone is not funded in FY2014 and will be replanned as part of upcoming agency discussions.
M-91-40L-044	PMM Submittal Jul-Sep 4th Qtr FY14 Burial Ground Sample Results	TPA	12/15/14		12/15/14	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-65	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/14		12/31/14	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)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

December 2013
CHPRC-2013-12, 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 (weed spraying), conducted 71 radiological facility surveillances, and completed 26 preventive maintenance (PM) activities. The project also initiated site prep for PUREX Tank 11 asbestos abatement.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Reduce the risk of noncompliance with environmental requirements.	Develop 6 compliance matrices for DWF&RS Permits or CERCLA Work Plans.	09/30/14	On Schedule

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	1	2	<ul style="list-style-type: none"> 12/4/13 - Employee caught toe while exiting trailer and lost balance and landed on hands and knees. Body part affected: Knee (23236)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Performed Waste Information Data System (WIDS) site housekeeping (weed spraying)
- Completed Reduction-Oxidation S Plant (REDOX) surveillance
- Completed:
 - o 71 radiological facility surveillances
 - o 26 preventive maintenance (PM) activities
- Completed 200 East tri-annual surveillances
- Completed repair of Plutonium Uranium Extraction Plant (PUREX) vacuum pump 1
- Initiated site prep for PUREX Tank 11 asbestos abatement

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns.
D4-064: Aging Building Systems/Components	The facilities have been placed in Surveillance and Maintenance mode. Perform as-scheduled maintenance activities. Perform appropriate regulatory agency and DOE notifications for system failures or prolonged outage. Continually evaluate system maintenance frequencies.			Continued with scheduled facility activities.
D4-067: Increased Asbestos Abatement	Minimal pre-mitigation is possible. Conduct asbestos abatement to maintain a safe and complaint work site.			Asbestos remediation of PUREX Tank 11 scheduled to begin in January. The abandoned steam line surveillance report is being finalized.

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	0.8	0.7	0.6	(0.1)	-11.8%	0.1	13.7%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.1M/-11.8%)

Variance is within threshold.

CM Cost Performance: (+\$0.1M/+13.7%)

Variance is within threshold.

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	378.6	378.5	349.1	(0.1)	-0.0%	29.4	7.8%	482.7	451.2	31.6

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CTD Cost Performance: (+\$29.4M/+7.8%)

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 (\$2.6M), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0M), lower than planned capital equipment costs (\$3.0M) and efficiencies with Arid Lands Ecology (ALE) (\$3.7M), North Slope Facilities (\$1.2M), disposition of railcars D&D (\$2.1M), and Industrial 7 Project (\$3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (\$-15.3M). Efficiencies in Outer Area Waste Sites (\$6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, 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 (\$7.3M) 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 (\$1.4M), S&M costs less than expected (\$3.6M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$2.9M) and under run in overhead allocations (\$1.5M).

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

FY2014			
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Spend Variance
RL-0040	11.1	10.8	0.4

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2014 work authorization received from RL reflects revised projected funding from \$391.6M to \$374.5M. A reallocation of projected funding at \$374.5M has been incorporated in this month's reporting. The Spending Forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-040-14-002R0 – *Deletion of Out Year Duplicate/Not Required Waste Site Remediation Scope*
 BCR-PRC-14-005R0 – *Global Harmonization System CO 199*
 BCRA-PRC-14-004R0 – *FY2014 FOC Group Updates*

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)



L. T. Blackford
Vice President and
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

December 2013
CHPRC-2013-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Completed the downgrade of the 105KE Reactor Building to below a Hazard Category 3 facility.
Initiated planning for asbestos abatement in the 165KE.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Reduce the risk of noncompliance with environmental requirements.	Develop 6 compliance matrices for DWF&RS Permits or CERCLA Work Plans.	09/30/14	On Schedule

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

- Completed the downgrade of the 105KE Reactor Building to below a Hazard Category 3 facility
- Finalizing revisions to the 105KE Facility Hazard Categorization (FHC) document to reflect the recent downgrade of the 105KE Reactor
- Initiated planning for asbestos abatement in 165KE
- Completed Surveillances
 - Radiological – 16
 - WIDS – 12

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0041				
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			No concerns.

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	0.5	0.5	0.1	0.0	0.1%	0.4	74.8%

Numbers are rounded to the nearest \$0.1M

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

The variance is within reporting threshold.

CM Cost Performance (+\$0.4M/+74.8%)

The variance is within reporting threshold.

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	303.4	303.4	280.4	0.0	0.0%	23.0	7.6%	390.5	367.2	23.2

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within threshold.

CTD Cost Performance (+\$23.0M/+7.6%)

The positive CTD cost variance is primarily the result of prior year activity that has been previously reported and CSNA sites that were completed early and under costs. In addition, less demolition was required for the KE Sedimentation Basin as well as underruns in G&A and Direct Distributables. This is partially offset by the cost overruns in prior years for the Utilities Project.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	7.6	7.3	0.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

FY2014 work authorization received from RL reflects revised projected funding from \$391.6M to \$374.5M. A reallocation of projected funding at \$374.5M has been incorporated in this month's reporting. The Spending Forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

BCRA-PRC-14-004R0 – *FY2014 FOC Group Updates*

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)



L. T. Blackford
Vice President and
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Fuels, and Remediation
Services (DWF&RS)

December 2013
CHPRC-2013-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Fast Flux Test Facility (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

- Completed
 - o 400 Area Septic System
 - Initiated construction of 400 Area septic system
 - Isolated sewer discharge from 400 Area to Energy Northwest
 - Completed upgrade of the septic system power supply
 - o Five PM activities/operational surveillances
 - o Five radiological surveillances
 - o Repairs to the P-28 fire pump

MAJOR ISSUES

Issue – Due to the configuration of the storage location, biological hazards are an issue at the 440 pad, which stores universal waste and a variety of chemicals.

Corrective Action – Relocate material to a suitable covered location.

Status – Material will be relocated to Building 4802 when resources are available.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns  Increased Confidence
 Working - Concern  No Change
 Working - Critical  Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities. No unplanned events encountered.
FFTF-014: Disposition of FFTF Waste Water	Work with DOE and regulatory agencies for design and operational requirements. Place requirements into sub-contracted statement of work for new sewer system. Incorporate on-going maintenance and interface items into out-year planning documents with CHPRC and MSA (as appropriate).			Discharges to Energy Northwest were isolated on December 18 and notification was made to DOE. The sewer is now being diverted to a temporary holding tank during the construction of the new septic system, which is currently scheduled to be completed in January.

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	0.3	0.2	0.3	(0.1)	-29.3%	(0.2)	-88.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.1M/-29.3%)

The current period schedule variance is within thresholds.

CM Cost Performance: (-\$0.2M/-88.2%)

The current period cost variance is within threshold.

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	16.5	16.5	14.1	(0.0)	-0.2%	2.5	14.9%	26.5	24.6	1.9

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.0M/-0.2%)

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$2.5M/+14.9%)

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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The change in EAC from November to December is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.3	2.2	0.1

Numbers are rounded to the nearest \$0.1M

Funds Analysis:

FY2014 work authorization received from RL reflects revised projected funding from \$391.6M to \$374.5M. A reallocation of projected funding at \$374.5M has been incorporated in this month's reporting. The Spending Forecast includes actions anticipated to achieve the reduced targets.

Critical Path Schedule

Critical path analysis is not applicable to this project. Remaining contract scope is performance of interim surveillance and maintenance activities.

Baseline Change Requests

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

BCRA-PRC-14-004R0 – *FY2014 FOC Group Updates*

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



December 2013
CHPRC-2013-12, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													DOLLARS IN Thousands of \$		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 (YYYYMMDD) 2013 / 10 / 28							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 11 / 24							
			c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009							
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,452,982	15,167		227,757	5,680,739	5,538,835	5,680,739	5,538,835								
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) Corman, R. K.			b. TITLE Prime Contract Manager				
a. BEST CASE		5,236,555							c. SIGNATURE			d. DATE SIGNED 11/24/2013				
b. WORST CASE		5,381,064														
c. MOST LIKELY		5,311,078		5,468,149		157,070										
8. PERFORMANCE DATA																
WBS[1] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
011 RL-11 NM Stabilization and Disposition PFP	7,672	6,030	7,546	(1,642)	(1,516)	645,491	632,101	663,738	(13,390)	(31,637)	0	0	0	932,506	961,168	(28,662)
012 RL-12 SNF Stabilization and Disposition	3,948	3,782	3,520	(165)	262	394,960	394,590	403,218	(370)	(8,629)	0	0	0	690,567	694,680	(4,113)
013 RL-13 Solid Waste Stabilization & Disposition	5,708	5,761	5,388	53	373	809,034	809,080	789,307	46	19,773	0	0	0	1,325,107	1,257,180	67,927
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	6,695	6,888	7,518	192	(631)	926,289	924,646	919,269	(1,643)	5,377	0	0	0	1,489,158	1,480,584	8,573
040 RL-40 Nuclear Facility D&D Remainder of Hanford	836	738	637	(98)	101	378,589	378,480	349,053	(109)	29,427	0	0	0	482,726	451,153	31,572
041 RL-41 Nuclear Facility D&D - River Corridor	534	535	135	1	400	303,381	303,382	280,384	1	22,997	0	0	0	390,453	367,209	23,245
042 RL-42 FFTF Closure	261	185	347	(77)	(163)	16,545	16,509	14,057	(36)	2,452	0	0	0	26,473	24,581	1,892
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	25,654	23,918	25,092	(1,736)	(1,174)	3,474,289	3,458,787	3,419,027	(15,502)	39,760	0	0	0	5,336,991	5,236,555	100,435
f. Management Reserve														74,523		
g. Total	25,654	23,918	25,092	(1,736)	(1,174)	3,474,289	3,458,787	3,419,027	(15,502)	39,760	0	0	0	5,411,514		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									(15,502)	39,760				5,411,514	5,236,555	174,958

Block 5a-h differences, if any, to B.4-1 Table values are addressed by in-process BCR(s).

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN _ Thousands of \$			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 (YYYYMMDD) 2013 / 11 / 25							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 12 / 22							
c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																
FOC ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
34 - Environmental Prog & Strategic Planning																
030.2 - Env'r Prog & Strategic Planning	399	399	397	0	3	43,458	43,458	39,863	0	3,595	0	0	0	82,660	78,514	4,146
	399	399	397	0	3	43,458	43,458	39,863	0	3,595	0	0	0	82,660	78,514	4,146
36 - Prime Contract & Project Integration																
011.7W - PRC WFR	0	0	718	0	(718)	2,206	2,206	2,655	0	(448)	0	0	0	2,206	4,182	(1,976)
012.7W - PRC WFR	0	0	280	0	(280)	1,488	1,488	1,365	0	124	0	0	0	1,488	2,083	(595)
013.7W - PRC WFR	0	0	532	0	(532)	1,947	1,947	2,182	0	(236)	0	0	0	1,947	3,188	(1,242)
030.7W - PRC WFR	0	0	453	0	(453)	1,895	1,895	1,734	0	161	0	0	0	1,895	3,057	(1,162)
040.7W - PRC WFR	0	0	66	0	(66)	253	253	271	0	(18)	0	0	0	253	410	(157)
041.7W - PRC WFR	0	0	15	0	(15)	358	358	243	0	116	0	0	0	358	316	43
042.7W - PRC WFR	0	0	12	0	(12)	37	37	39	0	(2)	0	0	0	37	72	(35)
	0	0	2,076	0	(2,076)	8,184	8,184	8,488	0	(304)	0	0	0	8,184	13,308	(5,123)
38 - Project Technical Services																
030.3 - EPC - Groundwater	0	0	11	0	(11)	273,050	273,050	292,970	0	(19,920)	0	0	0	273,050	292,970	(19,920)
	0	0	11	0	(11)	273,050	273,050	292,970	0	(19,920)	0	0	0	273,050	292,970	(19,920)
3B - PFP Closure																
011.1 - Plutonium Finishing Plant	7,672	6,030	6,829	(1,642)	(799)	560,245	546,855	584,897	(13,390)	(38,042)	0	0	0	847,259	880,798	(33,539)
011.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011.9R - Ramp/Transition - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011.9T - Ramp Up/Transition - Training	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
011.A2 - PSD R & RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
	7,672	6,030	6,829	(1,642)	(799)	643,285	629,895	661,084	(13,390)	(31,189)	0	0	0	930,300	956,986	(26,686)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	1,500	1,494	1,503	(5)	(9)	150,245	150,240	146,032	(5)	4,208	0	0	0	263,320	258,365	4,955
012.2 - Sludge Treatment Project	2,448	2,288	1,737	(160)	551	190,805	190,440	203,586	(365)	(13,146)	0	0	0	373,338	381,997	(8,659)
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,038	0	1,594	0	0	0	30,631	29,038	1,594
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.1 - Waste Management	5,708	5,761	4,856	53	906	702,166	702,212	681,352	46	20,860	0	0	0	1,218,239	1,148,219	70,020
013.9F - Ramp Up/Transition - Fac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
013.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
013.9R - Ramp Up/Transition - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
013.9T - Ramp Up/Transition - Training	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,555	0	0	0	80,655	76,101	4,555
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,889	0	(4,244)	0	0	0	10,645	14,889	(4,244)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.1 - PRC D&D	132	39	19	(93)	19	191,710	191,617	187,880	(93)	3,737	0	0	0	226,456	222,738	3,718
040.2 - D&D Fac Waste Site Remediation	0	0	(0)	0	0	67,594	67,594	60,123	0	7,471	0	0	0	88,382	81,159	7,223
040.9F - Ramp Up/Transition - Fac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
040.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
040.9R - Ramp Up/Transition - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
040.9T - Ramp Up/Transition - Training	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.1 - River Zone	534	535	120	1	415	250,488	250,489	236,868	1	13,621	0	0	0	337,561	323,620	13,941
041.9F - Ramp Up/Transition - Fac	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
041.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
041.9R - Ramp Up/Transition - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
041.9T - Ramp Up/Transition - Training	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,927	0	7,032	0	0	0	36,959	29,927	7,032
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
042.1 - FFTF	261	185	336	(77)	(151)	14,904	14,868	12,503	(36)	2,365	0	0	0	24,832	22,995	1,837
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
040.3 - PRC Fac & Waste Site Maint	704	699	552	(5)	147	47,765	47,750	42,594	(16)	5,155	0	0	0	96,368	88,662	7,706
	11,287	11,001	9,122	(287)	1,878	1,898,425	1,897,957	1,831,920	(468)	66,037	0	0	0	2,911,244	2,788,736	122,508
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	6,296	6,488	6,658	192	(170)	511,966	510,323	481,556	(1,643)	28,767	0	0	0	1,035,633	1,002,897	32,736
030.9F - Ramp Up/Transition - Fac	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
030.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030.9R - Ramp Up/Transition - IRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030.9T - Ramp Up/Transition - Training	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
	6,296	6,488	6,658	192	(170)	607,886	606,243	584,702	(1,643)	21,541	0	0	0	1,131,553	1,106,043	25,510
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																

FORMAT 3, DD FORM 2734/3, BASELINE

December 2013 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE											DOLLARS IN THOUSANDS					Form Approved OMB No. 0704-0188		
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA			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 NO YES X 9/18/2009				4. REPORT PERIOD a. FROM: 2013/10/28 b. TO: 2013/11/24							
5. CONTRACT DATA																		
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,140,616		c. CURRENT NEGOTIATED COST (A + B) \$5,452,982		d. ESTIMATED COST AUTH UNPRICED WORK \$15,167		e. CONTRACT BUDGET BASE (C + D) \$5,468,149		f. TOTAL ALLOCATED BUDGET \$5,411,514			g. DIFFERENCE (E - F) \$56,635				
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										
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 Jan-14 (4)	+2 Feb-14 (5)	+3 Mar-14 (6)	+4 Apr-14 (7)	+5 May-14 (8)	+6 Jun-14 (9)						
a. PM BASELINE (BEGIN OF PERIOD)			3,448,635	28,439	33,132	28,049	29,736	28,707	36,190	28,883	3,391,477	373,535	425,376	420,856	360,946	369,460	0	5,341,649
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																		
BCR-011-14-001R0 - Correct Waste Calculations in FY2014 PMB Update												(442)	(18)	(2,134)	149			(2,445)
BCR-013-14-004R0 - Remove ERDF Transition Planning from the PMB												(37)						(37)
BCR-040-14-002R0 - RL-040 Deletion of Out-Year Dup/Not Required Waste Site Rem Scope															(2,463)	(6)		(2,469)
BCR-PRC-14-005R0 - Global Harmonization System CO199												292						292
c. PM BASELINE (END OF PERIOD)			3,474,289	25,654	33,146	28,061	29,656	28,668	36,150	28,701	3,391,477	373,348	425,358	418,722	358,631	369,454	0	5,336,991
7. MANAGEMENT RESERVE																		74,523
8. TOTAL																		5,411,514

Block 5.g "Difference" is attributable to net delta of NTEs, G&A Allocations, B4 Table adjustments, and BCRs processed.

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		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 11 / 25		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE			b. TO (YYYYMMDD) 2013 / 12 / 22				
			c. TYPE CPAF	d. SHARE RATIO			c. EVMS ACCEPTANCE NO 9/18/2009					
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)												
FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST						SPECIFIED PERIODS			
			+1 Jan (4)	+2 Feb (5)	+3 Mar (6)	+4 Apr (7)	+5 May (8)	+6 Jun (9)	REM FY14 (12)	FY15-18 (13)		
300 - Office of the President												
000.00 - Office of the President	5	382	5	5	5	5	5	5	5	16	252	407
	5	382	5	5	5	5	5	5	5	16	252	407
303 - Internal Audit												
000.03 - Internal Audit	4	270	4	4	4	4	4	4	4	12	192	498
	4	270	4	4	4	4	4	4	4	12	192	498
304 - General Counsel												
000.04 - General Counsel	4	258	4	4	4	4	4	4	4	13	192	487
	4	258	4	4	4	4	4	4	4	13	192	487
31 - Communications & Outreach												
000.1 - Communications & Outreach	7	639	9	8	8	7	7	7	7	21	336	1,042
	7	639	9	8	8	7	7	7	7	21	336	1,042
32 - Safety, Health, Security & Quality												
000.2 - Safety, Health, Security, & Quality	53	4,700	52	52	52	52	52	52	52	157	2,709	7,878
	53	4,700	52	52	52	52	52	52	52	157	2,709	7,878
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	18	1,275	18	20	20	20	20	20	20	60	983	2,436
030.2 - Envr Prog & Strategic Planning	23	1,696	20	20	20	20	20	20	20	61	1,354	3,231
	41	2,971	38	40	40	40	40	40	40	121	2,337	5,667
35 - Business Services												
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	56	4,157	56	56	57	57	56	56	56	168	2,775	7,438
000.8A - CFO Tax & HO	0	0	0	0	0	0	0	0	0	0	0	0
	56	5,459	56	56	57	57	56	56	56	168	2,775	8,740
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	35	2,146	35	34	34	35	35	35	35	106	1,776	4,236
000.9 - Chief Information Officer	9	759	9	9	9	9	9	9	9	27	432	1,272
011.7W - PRC WFR	0	0	0	0	0	0	0	0	0	0	0	0
	44	2,905	44	43	43	44	44	44	44	133	2,208	5,508
38 - Project Technical Services												
000.F - Eng/Procurement & Construction	25	1,458	21	21	17	17	17	17	17	50	830	2,448
000.T - Proj Tech Svcs	16	1,697	15	15	15	15	15	15	15	44	696	2,527
030.3 - EPC - Groundwater	1	3,637	0	0	0	0	0	0	0	0	0	3,637
	42	6,792	36	36	32	32	32	32	32	94	1,526	8,612
39 - PS&S G&A Adder Offset												
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
3B - PFP Closure												
011.1 - Plutonium Finishing Plant	386	33,140	383	348	370	371	375	382	382	1,157	8,928	45,454
011.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0	15
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1
	386	33,156	383	348	370	371	375	382	382	1,157	8,928	45,470
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	86	7,952	96	96	96	96	96	96	96	287	4,339	13,154
012.2 - Sludge Treatment Project	71	6,996	67	66	64	64	64	64	64	191	4,665	12,241
013.1 - Waste Management	281	35,516	268	266	268	267	268	266	266	802	15,023	52,944
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
013.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
013.A2 - PSD R&RP	0	0	0	0	0	0	0	0	0	0	0	0
013.A3 - PSD WFR	0	0	0	0	0	0	0	0	0	0	0	0
040.1 - PRC D&D	2	7,536	6	12	11	11	0	0	0	0	1,211	8,787
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	0	495	1,836
040.3 - PRC Fac & Waste Site Maint	35	2,638	34	35	45	43	34	34	34	107	1,709	4,679
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2
040.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18
040.A - Proj Services & Support	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
041.1 - River Zone	7	7,013	9	9	28	28	28	45	129	2,643	9,932	
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
041.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13
042.1 - FFTF	10	670	10	8	8	8	8	8	24	376	1,120	
	492	69,708	490	492	520	517	498	513	1,540	30,461	104,739	
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	245	19,242	261	276	270	264	281	297	861	13,345	35,097	
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272
030.9P - Relocation and Contract Proposal	0	0	0	0	0	0	0	0	0	0	0	0
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	245	19,521	261	276	270	264	281	297	861	13,345	35,376	
Grand Totals:	1,379	146,763	1,381	1,365	1,405	1,397	1,399	1,437	4,291	65,262	224,426	

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

Monthly Summary (to include technical causes of VARs, Impacts, and Corrective Action(s):

For December, the project was 6.8% behind schedule and 4.9% over planned cost. Schedule and cost performance in December were primarily attributed to PFP. Schedule variance was due to process vacuum and transfer line removal efforts deferred due to field work teams reassigned to high-hazard work scope, apportioned activities in the D&D Project Support account that align with the delays in discrete D&D work scope, primarily balance of 234-5Z work scope, and to unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing tank 127 and had to repackage waste containers due to high NDA readings. Cost variance was associated with progress on discrete D&D work scope (apportioned) while a constant staff provides D&D support services, higher than planned MSA craft support for non-rad facilities, increased labor to support DSA modifications (assumed one and working on three), unplanned work associated with size reduction on Pencil Tank 127 in PRF, and increased labor support from Fire Protection Engineering while normal assigned engineer is on medical leave.

Corrective actions for PFP, RL-0011 include continued utilization of HAMTC collective bargaining agreement Craft Alignment, which is trending to increased time on tools, starting to recognize increased time on respirator, which will ultimately result in increasing efficiencies and recovering the negative cost and schedule variances on the PFP project. In addition, a change in the PFP safety basis and criticality analysis is in process to approximately double the current allowable fissile inventory for loading gloveboxes outside. This would reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage (Ongoing efforts will continue to recognize increased efficiencies to recover the negative cost and schedule variances on the PFP Project). No other specific corrective actions are planned at this time.

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 +\$100.4 million and +1.9% and is within reporting thresholds. The VACs for RL-0013, RL-0040 and RL-0041 increased primarily due to inclusion of planned efficiencies in FY2014 through FY2018. The VACs for other project baseline summaries (PBSs) are within the threshold limits of +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$15,167.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$15,167.0

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR
N/A	N/A	2013-2018	\$0.0

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:
1/20/2014

Approved by:

Date:

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

December 2013
CHPRC-2013-12, 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
14-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities. Remove 10 facilities from active occupancy status. Consolidate at PFP and eliminate 8 trailers.	09/30/14	30%
14-EMS-ADMIN-OB1-T2	Reduce depletion of environmental resources through material recycling.	Make field-released material available for reuse. Recycle office supplies and furniture from the 10 facilities per OB1-T1.	09/30/14	30%
14-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into greater than 80% of CHPRC onsite/offsite event contracts. Train staff on Zero Waste events.	09/30/14	15%
14-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Implement new RL direct funded office supply initiative with GSA. Establish green catalogues with GSA supplier.	04/30/14	10%
14-EMS-PCPI-OB1-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained by 80 total. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	09/30/14	89%
14-EMS-PCPI-OB2-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Transition CHPRC users to Thin Client workstations for energy and other cost savings measures during FY2014. Complete transition of 275 current computer desktop workstations to the environmentally friendly Thin Client environment.	09/30/14	31%
14-EMS-PTS-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	09/30/14	21%

Objective #	Objective	Target	Due Date	Status
14-EMS-PTS-OB2-T1	Evaluate compliance with Universal Waste requirements and recycling efforts.	Ensure that PTS is adequately implementing Universal Waste accumulation and storage requirements, aerosol can recycling, and other forms of recycling efforts in an efficient and compliant manner. At the end of the year evaluate and develop trending and tracking effectiveness. Document in a MOP.	09/30/14	14%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	4	<ul style="list-style-type: none"> 12/18/13 – Employee slipped and fell on icy concrete walking surface (23254).
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- o Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no SHS&Q Recordable injuries or First Aid cases during December. Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - The Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A has been approved by RL/Office of River Protection. A management plan is being developed to facilitate implementation. The pilot project for the assessment and characterization of facilities is complete and awaiting final sample results from Mission Support Alliance, LLC (MSA). CHPRC has conducted briefings on changes to beryllium postings and labels required by Revision 2A. An updated communication document is pending, waiting for RL approval.
 - Continued efforts with Site Occupational Medical Provider to resolve Beyond First Aid Referrals and Work Restriction Clarifications.
 - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Incorporating the Technical Evaluation (TE) process into the IH Exposure Assessment procedure.

- Continued support to Plutonium Finishing Plant (PFP) for use of the PremAire system to facilitate Deactivation & Decommissioning (D&D) activities in the Plutonium Reclamation Facility (PRF) canyon. PremAire equipment has arrived at the Hanford Receiving Facility and is currently being processed.
- Continued support to Project Technical Services (PTS) with subcontractor prequalification and subcontractor oversight continued the Strains and Sprains Campaign including an Insite Video on the subject.
- Partnering with HPMC on reduction efforts for soft tissue injuries.
- Working with Projects to populate the Confined Space Documents in the Integrated Document Management System (IDMS). Continued issuance of the OS&IH newsletter to managers, supervisors, and OS&IH personnel.
- Provided review of Site Evaluation for Hanford Site Land Management for installation of new restroom facility in the 200W Area Lagoon.
- Continued preparations for DOE-HQ Voluntary Protection Program (VPP) Assessment scheduled for January 2014.
- o Radiological Control accomplishments:
 - Continued to support site-wide Radiological Control committees.
 - Issued revised CHPRC-00072, *CHPRC Radiation Protection Program*, to implement the approved exemption request for ²⁴¹Pu.
 - Completed revisions for CHPRC-00073 and applicable procedures to implement the revised Hanford Radiological Health and Safety Document.
 - Completed field testing of lapel breathing zone air monitors at PFP that will be used with the PremAire system and encapsulating suit to facilitate deactivation & decommissioning activities at PFP Closure Project.
- o Nuclear Safety deliverables prepared and transmitted to RL in December include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1305138, dated December 9, 2013, *Transmittal of the 2014 Annual Update of the 224-B Safety Basis and Unreviewed Safety Question Determination*.
 - Letter, CHPRC-1305419, dated December 30, 2013, *Extension of Retirement Date for the Safety Analysis Report for Packaging (Onsite) Standard Waste Box, HNF-SD-TP-SARP-004*.
 - Nuclear Safety deliverables received from RL in December include:
 - Letter, 13-NSD-0052_RL, December 3, 2013, *Response to Transmittal of 2013 Annual Update to the Plutonium Finishing Plant (PFP) Safety Basis and Unreviewed Safety Question Summary Report*.
 - Letter, 14-NSD-0009_RL, December 26, 2013, *Transmittal of the Annual Update to the Solid Waste Operations Complex (SWOC) Master Documented Safety Analysis, HNF-14741, Revision 10, Technical Safety Requirements for the SWOC, HNF-15280, Revision 10, and the Unreviewed Safety Question Evaluation Summary*.
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 226 Condition Reports (CRs) were screened in December:
 - 1 Significant
 - 2 Adverse
 - 111 Track Until Fixed (TUF)
 - 33 Trend Only (TO)
 - 78 Opportunity for Improvement (OFI)
 - 1 Screened Out (factually inaccurate, duplicative of existing Condition Reports)
 - Provided support/leadership on two Cause Evaluations [Radioactive Sr-90 Source found Outside Shielded Assembly at PFP, and the Waste Encapsulation Storage Facility (WESF)]

- Roof Repair/asbestos discovery].
- Two events were identified as reportable into the Price-Anderson Amendments Act (PAAA) Non-compliance Tracking System (NTS) Database [Radioactive Sr-90 source found outside shielded assembly at PFP, and Identification of two safety significant fire Barrier impairments for building 234-5Z (USQ)].
- Two CHPRC Lessons learned were published through OPEXShare (previously known as HILLS).
 - Twenty-eight documents were provided in response to Document Requests by the Defense Nuclear Facilities Safety Board.
- o Performance Assurance /Quality Assurance (QA)/Assessment accomplishments:
 - Performed a Nuclear Safety Performance and Evaluation Board (NSPEB) review of Decommissioning, Waste, Fuels, & Remediation Services (DWF&RS) Project, specific to Liquid Waste & Fuel Storage and Waste & Fuels Management Project. Out-brief performed December 13, 2013, and the report to be issued in January 2014.
 - Continued to work with the Ground Water project in the development of procedures and inspection criteria for ASME B31.3 Category D fluid stems.
 - Worked with PFP and the central Safety Organization on the quality issues MSA was experiencing with their respirator filter cartridge housings.
 - Working with the CHPRC Calibration Program Manager to implement the improvement recommendations proposed to improve the calibration services provided by the MSA calibration contractor.
 - Participated with PTS and Procurement in the selection of a full service Nondestructive Evaluation (NDE) subcontractor.
 - Completed assessment field activities for the 10 CFR 835, Subpart H, *Records*, surveillance activity. Four Findings were written for issues related to compliance with CHPRC implementing procedures.
 - Continued evaluations of completed management assessments and provided specific mentoring and feedback to assessors and responsible managers.
 - Pre-deployment operational testing was completed on the IEP tool upgrade. LMSI is completing final reviews and preparation for deployment of the upgraded tool, which is expected the week of January 20, 2014.
- 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.
Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Completed CHPRC briefing in support of Revision 2a, Be postings and labeling. Completed Be characterization pilot program.
 - o **Issue:** Accident & Injury Reduction.
Status: Continue investigating recent recordable and DART injuries to determine cause, prevention and reduction.
Action: Developed briefing materials for supervisors to help them better understand and manage occupational injuries and illnesses; safety communication campaign emphasizing injury precursors and reduction techniques for common injury types; working closely with site medical provider to provide ergonomic review and recommendations to prevent strains and soft tissue injuries. Also discussing concerns where HPMC is referring workers to offsite medical providers.
 - o **Issue:** PFP Value Engineering (VE) Study Strategy Path Forward.

Status: Engaged with PFP project personnel with SHS&Q central group SMEs; utilizing Risk Evaluation Board (REB) to help expedite PFP strategy innovations to PRC and RL senior management.

Action: PFP High Gram Glovebox SER, received RL approval. Presented PFP foam initiative to REB in September, status at GSO meeting with RL.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**

Asbestos

- o Discussions have been ongoing between RL, CHPRC, EPA-HQ, and EPA Region 10 regarding the “Notice of Intent to File Administrative Complaint for Violation of the Clean Air Act and Opportunity to Confer Prior to Filing” (DOE and CHPRC as named parties). Settlement discussions between the parties have been completed. EPA is drafting a Consent Agreement and Final Order which we expect to see early in January.
- o Regarding the “Notice of Violation (NOV) and Assessment of Stipulated Penalties from U.S. Environmental Protection Agency” (DOE as named party), RL directed CHPRC, as the responsible contractor for the work in question, to pay the fine. The fine was paid by CHPRC on December 9, 2013.

Ecology Central Waste Complex Box and WRAP Drum Leak Enforcement

- o A tolling agreement was signed extending the deadline to finalize the AO to early January, Negotiations are ongoing on specific areas of the draft Agreed Order (the HEMP).

RCRA Permitting Progress

- o Met weekly with regulators to resolve permit questions and information requests.

- **Environmental Management System (EMS)**

- o Finalized the FY2014 EMS Objectives and Targets

- **Environmental Compliance & Quality Assurance (ECQA)**

Accomplishments

- o The ECQA Team is performing the required assessments to identify CHPRC compliance vulnerabilities. Our new emphasis is to work with the Projects to implement effective Corrective Actions.
- o Independent Assessment of RCRA ≤ 90 Day Accumulation Areas and Satellite Accumulation Areas was completed on December 12, 2013. The assessment resulted in 3 findings and 2 Opportunities for Improvement (OFIs).
- o A Management Assessment (MA) was performed by Environmental Integration of their Environmental Calculation Process. Three OFIs resulted from the assessment that identified process improvements. ECQA provided guidance on performance of the MA and recommendations for writing the final report. Based on support from ECQA, the responsible manager (RM) received a “Satisfactory” review from Performance Oversight on the quality of the assessment report.
- o “Awareness of EMS initiatives and requirements, including roles and responsibilities are inadequate” was identified as “lagging”. The final action to close the CR required completion of two MAs. ECQA recommended that previous internal EMS Independent Assessments be used in lieu of performing additional MAs, and the finding has been closed.

Work in Progress

- o Independent Assessment of S&GRP Groundwater Monitoring compliance with HASQARD: Completion date March 31, 2014.
- o Management Assessment of the evaluation of Notification of Releases: Completion date January 30, 2014.

- o Assisting DWF&RS in the visual inspection of stored drums containing hazardous/dangerous waste and providing expertise in the area of Corrective Actions towards resolution of any issues identified as a result of the inspections.
- o Leading the development of a CHPRC Requirements Management process for ensuring flow-down of environmental requirements to Project level documents. The process will include the development, control and management of compliance matrices.

Business Services

- **Acquisition Planning**
 - o Revised PRC-PRO-AC-40480 Acquisition Planning Procedure to include new requirements for consent packages and submittal of Acquisition Planning Documents to RL.
- **Facilities and Property Management (F&PM)**
 - o Support to PFP for the occupancy footprint reconfiguration to transition towards D&D was completed in December. 21 buildings have been vacated, 8 of which are former ARRA mobiles that have been made available for reutilization. The MO2302 restroom facility is being transferred to MSA for use at the new 600 Area Sewer lagoon and the other remaining buildings are being considered for transfer to OHC's.
- **Finance**
 - o December month end closing was completed on schedule with no issues.
 - o Contract funding has been provided that is sufficient to continue uninterrupted operations through January fiscal month end.
 - o Responding to KPMG requests for data, in response to the FY2010 incurred cost audit.
 - o Submitted revised FY2014 forward pricing rates consistent with revised funding guidance from RL.
 - o Responded to DCAA requests for data in support of an RL directed audit on our compliance with the Work for Others (WFO) program.
- **Human Resources**
 - o There were 44 individuals that opted for the self-select opportunity and were approved in December. Of the 44 people, 23 exited on December 19, 2013. The remaining will exit in January.
- **Procurement**
 - o Awarded/amended 77 contracts with a total value of \$5.3M. Additionally, awarded 177 new material Purchase Orders valued at \$361K to support ongoing project objectives.
 - o At the end of the first 63 months of the PRC, procurement volume has been significant; \$2.072B in contract activity has been recorded with approximately 49.3%, or \$1.022B, in awards to small businesses. This includes 6,361 contract releases, 15,998 Purchase Orders, and 195,264 P-Card transactions.
 - o Completed and issued 10 Advance Planning Documents to RL for review and three Consent Packages for approval.
 - o In support of the CHPRC Estimating Group, Procurement issued two RFPs to support the subcontract pricing for Change Order 238.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance & Change Management (CC&CM)**
 - o In December, Prime Contracts received and processed seven (7) contract modifications (numbers 301- 307) from RL. Correspondence Review received and determined the distribution for 50 incoming letters/documents from RL. The Prime Contracts Manager reviewed 36 outgoing correspondence packages.
 - o Estimating provided the following support to the Projects:

- Plutonium Finishing Plant (PFP) Closure Project:
 - Provided support to the project in the conduct of a meeting on December 12, 2013, to respond to questions on the contents of the Change Proposal submitted to RL. The proposal reviewed was associated with chemical hazard investigation and mitigation (011 240 1387, *Plutonium Finishing Plant Chemical Hazards Investigation*, and 011 240 1388, *Mitigation of Chemical Lines at Plutonium Finishing Plant*), and responded to questions that had arisen during RL's review of the cost calculation information.
- Sludge Treatment Project (STP):
 - Continued effort on the preparation of a Change Proposal that will address the impacts of funding changes in FY2012, FY2013, and Sequestration to the overall project.
 - Continued support in the maintenance of the Basis of Estimate(s) associated with planning scenarios related to the RL-0012 Performance Measurement Baseline (PMB) and FY2014 funding decisions.
- Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
 - Received from RL and initiated efforts to prepare Change Proposals in response to the following Change Orders:
 - o CO #236, *Transfer of the 310 Retention Transfer System to Washington Closure Hanford*;
 - o CO #239, Solid Waste Operations Complex (SWOC) Permit Modifications
 - o CO #245, Waste Encapsulation and Storage Facility (WESF) K3 Exhaust Ventilation Upgrades Design (Perspective)
- Soil & Groundwater Remediation Project (S&GRP):
 - Responded to inquiries related to RL's review and evaluation of Change Proposal 030 222 1379, submitted in response to CO #222, *100-BC-5 Well Drilling, Aquifer Tube Network Installation, and Sampling*.
 - In conjunction with the project, completed and submitted to RL on December 9, 2013, supplemental subcontract pricing information related to Change Proposal 030 237 1404, Revision 1, *Modutank and Investigation – Derived Waste (IDW)*.
 - In conjunction with the project, completed and submitted to RL on December 13, 2013, supplemental subcontract pricing information related to Change Proposal 030 229 1392, Revision 1, *100-NR-2 OU Apatite Barrier with the Vadose Zone*.
 - Continued to coordinate the tracking of procurement efforts associated with two (2) Change Proposals that were submitted with budgetary pricing for subcontracts. CHPRC is conducting competitive procurements in order to gain current pricing for several subcontracts associated with well and apatite barrier installations. As agreed to with RL, the updated pricing will be submitted as supplemental information to support definitization.
 - In conjunction with the project, initiated work on a proposal framework to address changes in work scope related to delays in processing and gaining RL and Regulatory comments and approvals on OU regulatory documents. This work is being performed in anticipation that RL and CHPRC will reach agreement on the recognition of a contract change, and submittal of a Change Proposal for equitable adjustment will be requested by RL. The initial work encompasses efforts related to the 300 Area OU over the past three years.
 - Received from RL, and initiated efforts to prepare Change Proposals in response to the following Change Orders:
 - o CO #246, *UP-1 Technical Feasibility Evaluation*
 - o CO #247, *Incorporation of River Corridor Waste Site Evaluations into the Groundwater RI/FS Documents*

- Project Technical Services (PTS):
 - In conjunction with the project, initiated efforts to prepare a Change Proposal in response to CO #242, *CRD O 420.IC Supplemented Revision 0, Facility Safety*.
 - Estimating continued the specification reviews and generated fair cost estimates that were utilized in the evaluation of bids received from the construction subcontractor for the following projects:
 - o Wiring and instrumentation of P&T extraction wells
 - o Relocation of P&T transfer lines at 100 D Area
 - o Installation of HPDE piping for three (3) P&T wells
- o Estimating provided the following support to the functional areas:
 - Safety, Health, Security & Quality:
 - Participated with projects and Functional Organizations in the implementation of a BCR associated with the definitized CP 000 199 1310, Revision 0, *Occupational Safety and Health Administration Revised Hazard Communications Standard*.
 - Business Services:
 - In conjunction with Facilities Management group, initiated efforts to prepare a Change Proposal in response to changes in Public Law 111-308, Federal Buildings Personnel Training Act of 2010 (FBPTA).
- o Estimating Systems Administration
 - Implemented an update to the proposal rate library for Sage estimating software reflecting a change in CHPRC Labor and Administrative rates that were submitted to RL on December 18, 2013 via correspondence number CHPRC-1305241.
 - Coordinated the requisition for extension of the Sage software license and ordered estimating reference material updates for CY2014.
 - Continued database maintenance and cleanup in preparation for implementation of the up-versioned software.
- **Baseline Management & Reporting**
 - o Via approved BCR, revised the Performance Measurement Baseline based on scope priorities, as agreed to with RL.
 - o Tested for implementation of Cobra 5.1 software
 - o Initiated three Management Assessments relative to EVMS compliance and continued surveillance activities.
 - o Developed plan for CAM training and a mock surveillance, all in support of EVMS compliance
- **Strategic Planning and Integration**
 - o **Strategic Planning**
 - Continue working the FY2014 Risk Analysis.
 - o **Interface Management**
 - Completed 3rd Volume of “Be In The Know...” *Efficiency Challenges J.3 Hanford Site Services and interface Requirements Matrix*
 - Continue to populate Calibration spreadsheet utilized to bin like issues with links to emails
 - Contributed input to revision of *Property Management Procedure (PMT-52772)* to include PC&PI language for J.13 Matrix as it applies to facility transfers.
 - Continue to work issues as they arise from M&TE Calibration Services provided through the new Site calibration vendor Micro Precision.
 - Worked issues on scope and interpretations of Usage-Base Services vs. Direct-Funded Services for J.3 #20 Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance)
 - Worked project complaints on J.3 #34 Biological Controls (tumbleweeds). Identified and shared process failures with MSA.

- Met with the Projects and MSA to discuss performance metrics for Fleet Maintenance
- Reviewed and revised Draft 2014 Hanford Site Sustainability Plan
- Developed and submitted WM2014 Abstract for CHPRC Procedure System
- In development of the WM2014 Poster Presentation for the CHPRC Procedure System
- Continued development of Site Manuals Spreadsheet to begin development of an internal change control process.
- Developed J.13/14 Communications Spreadsheet to show interactions amongst Primes from 2011 through current.
- Continued development of the J.13/14 Timeline to show major activities that have gone into the release up to Modification 241
- In process Interface Documents:
 - TOC-AIA-PRC-000031 Rev. 0, *AIA Between WRPS and PRC for Operations Interface Activities within or Adjacent to Nuclear Facilities.*
 - PRC-AIA-WRPS-05358, Rev. 0, *AIA between WRPS and PRC for Interface Responsibilities and Demarcation Points for Surplus Steam Lines in 200 East and West Areas*
 - TOC-ICD-PRC-00034 Rev. 0, *ICD Between Washington River Protection Solutions and CHPRC for Lock and Tag Authority of Breakers at Canister Storage Building.*
 - TOC-AIA-PRC-00009 Rev. 2, *AIA Between CHPRC and WRPS for SWITS and SWIFT Data Management and Integration*
 - HNF-51261 Rev. 0, *AIA Between CHPRC and MSA for Geophysical Logging Services*
 - HNF-44003 Rev. 1, *AIA Between CHPRC and MSA for Fleet Services*
 - HNF-23474 Rev. 2, *ICD Between CHPRC and JCI for Hazardous Energy Control*
 - HNF-47924 Rev. 0, *AIA Between CHPRC and MSA for Hanford Site Interface with S&GRP & P&T Process Lines*
- Issued Interface Documents:
 - HNF-56632 Rev. 0, *AIA between MSA and CHPRC for Radiological Facility/On-Site/Specialized Equipment Calibration Services*
- o **Information Management**
 - Issued Eight (8) Records Management and Document Control procedure revisions in support of outstanding Management Assessment and Improvement Plan actions
 - Transitioned 35 workstations to Thin Client computing in support of EMS Objective FY14-EMS-PCPI-OB2-T1
 - Removed 43 stand-alone printers from service in support of EMS Objective FY14-EMS-PCPI-OB1-T1
 - Provided Facilitator and IT Support to Leadership Initiative Training
 - Provided IT Support to CHPRC Management Retreat Meetings
 - Provided IT Support to EZAC, PZAC, and various company meetings
 - Provided Intranet RapidWeb training to S&GRP staff
 - Provided Intranet support for Banner Redesign (multiple sites)

Project Technical Services (PTS)

- **Central Engineering (CE)**
 - o Submitted the Fire Protection CAP to RL in response to Surveillance S-13-NSD-PRC-001.
 - o Supported the Sludge Treatment Project (STP) in completing the checking and verification of the T-Plant Sludge Handling System Leveling Frame Assembly Design.
 - o Issued new Occupancy Permit for Building 773W.

- o Resolved a long standing issue with the freezing of the Dry Pipe System piping at Building 289T.
- o Supported DWF&RS in the evaluation, design, and construction specifications for the newly 400 Area Septic System.
- o Represented the CHPRC at the EFCOG Semi-annual meeting in Washington DC, including presenting information on the status of the Engineering Practices Working Group to the EFCOG Board of Directors and senior RL management.
- o CE is coordinating the Hanford Site Seismic Network Questionnaire for the MSA technical evaluation of the current seismic monitoring program to develop a recommendation to RL for continued funding.
- o Completed the Verification and Validation for RISA-3D Structural Engineering Software.
- **Procedures and Training**
 - o Completed Globally Harmonized System training activities.
 - o Continued discussion on Training Efficiencies Business Case Analysis, collaborating with other site companies. Received approval from RL on December 24, 2013.
 - o A Leadership Impact Initiative Workshop was held December 4 and 5.
 - o D&D Engineer initial and requalification packages have been reviewed and approved
 - o PFP USQ Screener and Evaluator initial and requalification packages were revised and approved.
- **Operations Program**
 - o Completed annual update to the Work Management program.
 - o Submitted CAP to RL from HS-45 review of severe natural phenomena events.
- **Project Delivery**
 - o 400 Area Septic
 - CHPRC successfully isolated/eliminated all 400 Area Sewer discharges to Energy Northwest on December 18, 2013, which was approximately two weeks prior to the December 31, 2013 date. Construction of the new 400 Area Septic system is scheduled to be completed by January 27, 2014.
- **KW Annex Construction**
 - o Substantially (~80%) completed concrete placements. Remaining concrete placements needed to complete are proposed on the Buy Back list for FY2014; inside/outside hose in hose chase, sidewalks and ramp.
 - o Received 60% of steel design package for review from corporate resources.

Communications

- **Internal**
 - o Supported Safety, Health, Security & Quality (SHS&Q) with communications planning and implementation of the DOE Headquarters assessment of the Voluntary Protection Program, scheduled for January 6 through 16.
 - o Produced an episode of *InSite*, the CHPRC internal monthly news broadcast, that featured progress at the PFP and PRF, injury prevention, and community giving.
 - o Produced a video showcasing the Soil & Groundwater Remediation team installing improved technology (aquifer tubes) in the Columbia River to obtain additional data about groundwater contamination at the Hanford Site.
 - o Produced five issues of the *Weekly Update*, the CHPRC employee news bulletin, including manager messages from Terry Vaughn, Vice President of Safety, Health, Security and Quality; Mel Hatcher, Chief Legal Counsel and Ethics Compliance Officer; John Ciucci, Chief Operating Officer; Dee Millikin, Communications Director; and John Fulton, President and Chief Executive Officer.
 - o Supported company and site-wide community giving campaigns including the 28th Annual

- Hanford Food Drive, Salvation Army Kettle Bell Ringing, and YMCA, as well as numerous individual and team contributions to local families.
- o Continued hosting brown bag meetings across the CHPRC projects and organizations to allow the senior management the chance to meet with employees and address their questions and concerns; the meetings will continue throughout the year.
 - **Public Relations**
 - o The *Tri-City Herald* featured the recent Eastern Washington Chapter Academy of Certified Hazardous Material Managers awards, including CHPRC as the recipient of the Excellence in Hazardous Materials Management Award for an employee-led innovative Emergency Response Trailer.
 - o CHPRC's aquifer tube video was featured on RL and CH2M HILL's social media sites.
 - o CHPRC's PFP decommissioning and groundwater remediation were featured in the year-end wrap-up in the EM Update newsletter.
 - o Supported RL with media inquiries regarding workforce restructuring.
 - o CHPRC employee-driven initiative to improve reliability of air purifying respirators at PFP was featured in the American Society of Safety Engineers' blog.
 - o CHPRC issued a press release and communicated using local chambers of commerce's electronic communication tools our small business subcontracting performance from 2008-2013.
 - o Photos of CHPRC holiday community outreach were featured on CH2M HILL's social media sites.
 - **Public Involvement**
 - o The 300 Area ROD was issued. This is the first of six RODs being put in place for cleanup on Hanford's 220-square-mile River Corridor.
 - o Supported the December 9, 2013 public meeting on Class 3 modifications to the Dangerous Waste Permit.
 - o Supported preparations for the Class 2 Permit Modifications for sitewide groundwater monitoring and LERF/ETF groundwater monitoring.

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	0.1	0.1	0.2	0.0	0.0%	(0.1)	-50.7%
Internal Audit	0.0	0.0	0.0	0.0	0.0%	(0.0)	-0.8%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	11.0%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-3.4%
Safety, Health, Security and Quality	1.0	1.0	0.9	0.0	1.0%	0.2	16.8%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	11.2%
Business Services	1.3	1.3	1.6	0.0	0.0%	(0.3)	-21.7%
Prime Contract and Project Integration	1.5	1.5	1.3	0.0	0.0%	0.1	9.2%
Project Technical Services	0.5	0.5	0.6	0.0	0.0%	(0.1)	-24.7%
Indirect WBS 000 Total	4.9	4.9	5.0	0.0	0.2%	(0.1)	-2.4%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

CM Schedule Performance: (+\$0.0M/+0.2%) – Schedule is Level of Effort.

CM Cost Performance: (-\$0.1M/-2.4%)

The unfavorable cost variance is within reporting thresholds.

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	0.4	0.4	0.5	0.0	0.0%	(0.1)	-38.2%	1.7
Internal Audit	0.1	0.1	0.1	0.0	0.0%	0.0	2.3%	0.7
General Counsel	0.3	0.3	0.2	0.0	0.0%	0.1	24.7%	1.4
Communications	0.2	0.2	0.3	0.0	0.0%	(0.0)	-12.8%	1.0
Safety, Health, Security and Quality	3.1	3.1	2.6	(0.0)	-0.1%	0.5	15.9%	13.8
Environmental Program and Strategic Planning	1.0	1.0	0.9	0.0	0.0%	0.1	9.8%	4.2
Business Services	4.1	4.1	4.4	0.0	0.0%	(0.3)	-6.6%	18.1
Prime Contract and Project Integration	4.6	4.6	4.1	0.0	0.0%	0.5	11.0%	20.5
Project Technical Services	1.6	1.6	1.8	0.0	0.0%	(0.2)	-14.3%	7.0
Indirect WBS 000 Total	15.5	15.5	15.0	(0.0)	-0.0%	0.5	3.3%	68.3

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

FYTD Schedule Performance: (\$0.0M/0.0%) – Schedule is Level of Effort.

FYTD Cost Performance: (+\$0.5M/+3.3%)

The favorable cost variance is within reporting thresholds.

Baseline Change Requests

BCR-PRC-14-005R0 – *Global Harmonization System CO 199*

BCRA-PRC-14-004R0 – *FY2014 FOC Group Updates*

FY2014 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2014					
	FYTD	FYTD	FYTD	FY2014	FY2014	FY2014
	BCWS	Actual	Variance (O)/U	BCWS	Forecast	Variance (O)/U
Office of the President	0.4	0.5	(0.1)	1.7	2.0	(0.3)
Internal Audit	0.1	0.1	0.0	0.7	0.6	0.0
General Council	0.3	0.2	0.1	1.4	1.4	0.0
Communications	0.2	0.3	(0.0)	1.0	1.2	(0.2)
Safety, Health, Security and Quality	3.1	2.6	0.5	13.8	12.4	1.3
Env. Program & Strategic Planning	1.0	0.9	0.1	4.2	4.0	0.2
Business Services	4.1	4.3	(0.3)	18.1	18.2	(0.1)
Prime Contract and Project Integration	4.6	4.1	0.5	20.5	19.5	0.9
Project Technical Services	1.6	1.8	(0.2)	7.0	7.1	(0.1)
General & Administrative (G&A)	15.5	14.9	0.5	68.3	66.4	1.9
	FYTD			FY2014		
G&A Distribution		(13.3)			(63.0)	
G&A Liquidation (Over)/Under		1.7			3.4	

Liquidation Analysis

- Fiscal year to date through December, application of the G&A rate has under-liquidated total to date G&A costs by \$1.7M. The FY2014 year end projected under-liquidation of \$3.4M reflected in the FYSF reflects revised funding guidance which significantly decreases the G&A base.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than \$4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than \$6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year end.

MAJOR ISSUES

None identified.

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.