

2015-06
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Monthly Performance Report

June 2015

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

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



P.O. Box 1600
Richland, Washington 99352

Approved for Public Release;
Further Dissemination Unlimited

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APPROVED

By Ashley R Jenkins at 1:53 pm, Jul 27, 2015

Release Approval

Date

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J. A. Ciucci
President and Chief
Executive Officer

Monthly Performance Report

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

June 2015
CHPRC-2015-06, Revision 0

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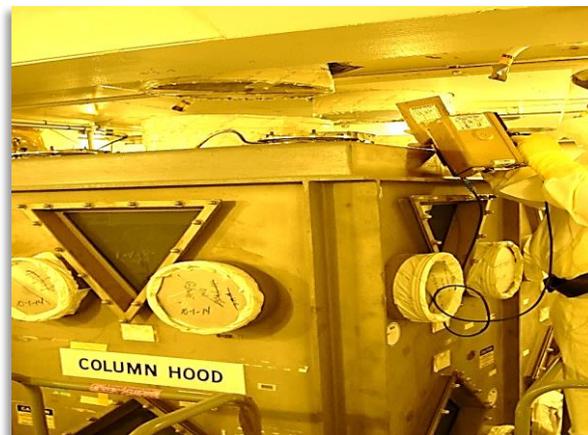
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EXECUTIVE SUMMARY

- CH2M HILL Plateau Remediation Company advanced cleanup throughout the Hanford Site during the month of June. Major accomplishments included:
 - Progress continued at the Plutonium Finishing Plant (PFP) where crews began size reducing glovebox HC-9B and completed the separation of column glove boxes inside the Plutonium Reclamation Facility (PRF).
 - The Waste & Fuels Management Project (W&FMP) completed the final design review for the W-130 Stabilization and Ventilation Project, meeting an RL Interim Key Performance Goal (KPG).
 - The K Basin Operations and Plateau Remediation (KBO&PR) project completed debris relocation in the K West Basin to make way for eventual sludge removal equipment.
 - The Soil and Groundwater Remediation Project (S&GRP) installed all major equipment for and began final installation of mechanical, electrical and instrumentation for uranium treatment upgrades at the 200 West Pump-and-Treat facility.
 - CHPRC has been recommended for ISO 14001 recertification. The auditors characterized the CHPRC EMS as “very thorough, well documented and effectively implemented,” citing the strong commitment of senior management, robust training program and personnel dedicated to operational excellence. One of the six proficiencies was excellence in Sample Collection at S&GRP, which was also called “Best in Class.” Lead auditor, Joseph Birchfield called it the best he has seen in any Federal installation in the nation.



PFP employee surveying for radiological contamination following the separation of the column gloveboxes in the Plutonium Reclamation Facility.



Installation of the uranium treatment train continues in the Radiological Building at the 200 West Pump-and-Treat facility.

- The June 2015 President’s Zero Accident Council (PZAC) meeting was hosted by the Project Technical Services organization. The three main themes for the meeting were:
 - Visibility at Home
 - Visibility at Work
 - Visibility at Play
- Five “*Thinking Target Zero*” (TTZ) bulletins were published in June to convey important occupational safety, health and environmental messages:
 - Environmental Management System (EMS) Prepare for Audit
 - Voluntary Protection Program (VPP) HAMTC Safety
 - Heat Stress
 - Chemical Storage
 - Outdoor Cooking
- June *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - Five Lessons Learned: Fall From Stool Results in Fractured Vertebrae; Understand Weight and Force Prior to Lifting or Handling Materials; Wheels Come Off Truck While In Transit; Washington State Logger Killed During Loading of Truck; Inspection of Stairs, Landings and Handrails
 - National Safety Month “What I Live For” messages: Slips, Trips and Falls; Transportation; Ergonomics; Emergency Preparedness; Prescription Painkiller Abuse
 - Safety Culture Survey
 - Stretch and Flex
- Summer Weather Dress
- Hazard Analysis
 - Independence Day Safety
 - EMS Recertification Audit
 - Watch For Snakes
 - “What Would You Do?” Ethics Awareness messages
 - Injury/Illness Summaries and the TTZ of the week
- Weekly Updates in June featured blogs that highlighted safety, health and environmental messages:
 - John Ciucci, President and Chief Executive Officer, announced the kick off a survey to examine and look for opportunities to improve CHPRC’s safety culture. Karen Wiemelt, Vice President of the Soil & Groundwater Remediation Project, recognized the successful mission of removing carbon tetrachloride and methylene chloride from the soil near the Plutonium Finishing Plant.
 - Vicki Bogenberger, Vice President and Chief Financial Officer, discussed CHPRC’s People Legacy Program, an organizational development program designed to empower our employees to pursue their career goals and lead tomorrow’s workforce.
 - Kelly Wooley, Senior Project Director, congratulated the Central Plateau Surveillance and Maintenance (CPS&M) team for safely managing and maintaining compliance of 170 structures, including six nuclear facilities and an estimated 1,000 waste sites around the Hanford Site.
- The June Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:
 - A CHPRC HAMTC Safety Representative and Voluntary Protection Program (VPP) Co-Lead, for being re-elected as treasurer for the VPP Region X board of directors which includes Alaska,



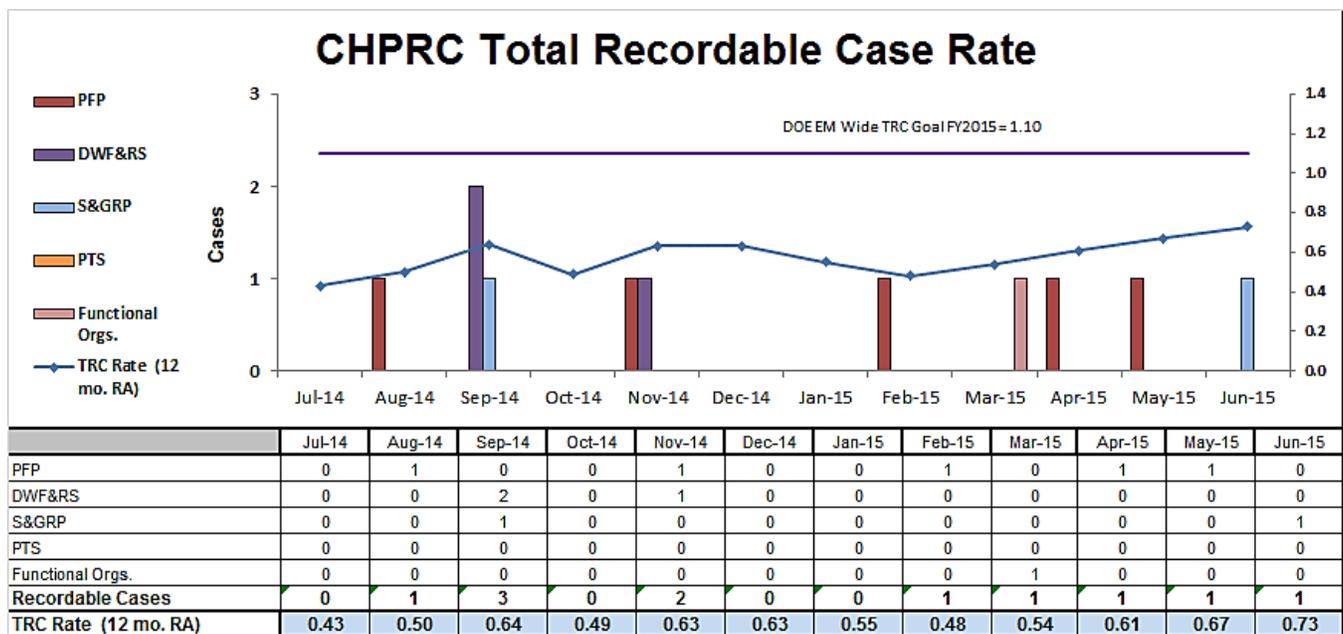
Idaho, Oregon and Washington, and for receiving the VPPPA Region X Chairpersons Award at the recent conference in Portland, Oregon.

- o Two Radiological Control employees for their attention to safety and detail. While performing a recent routine survey in a drum storage area they noticed crystals around the base of a drum. They immediately exited and made the appropriate notification.
- o A HAMTC Safety Representative and Safety Professional who spotted a six-foot ladder open and sitting in the middle of the road. The ladder was safely removed and returned to the electrical shop at 2101M where it was tagged out of service.
- o A Safety Professional, who was at an outdoor auction near Pendleton, OR, and noticed an individual in physical distress from heat exhaustion. The Safety Professional assisted the individual, administered first aid, and directed others to guide the ambulance to the remote location.

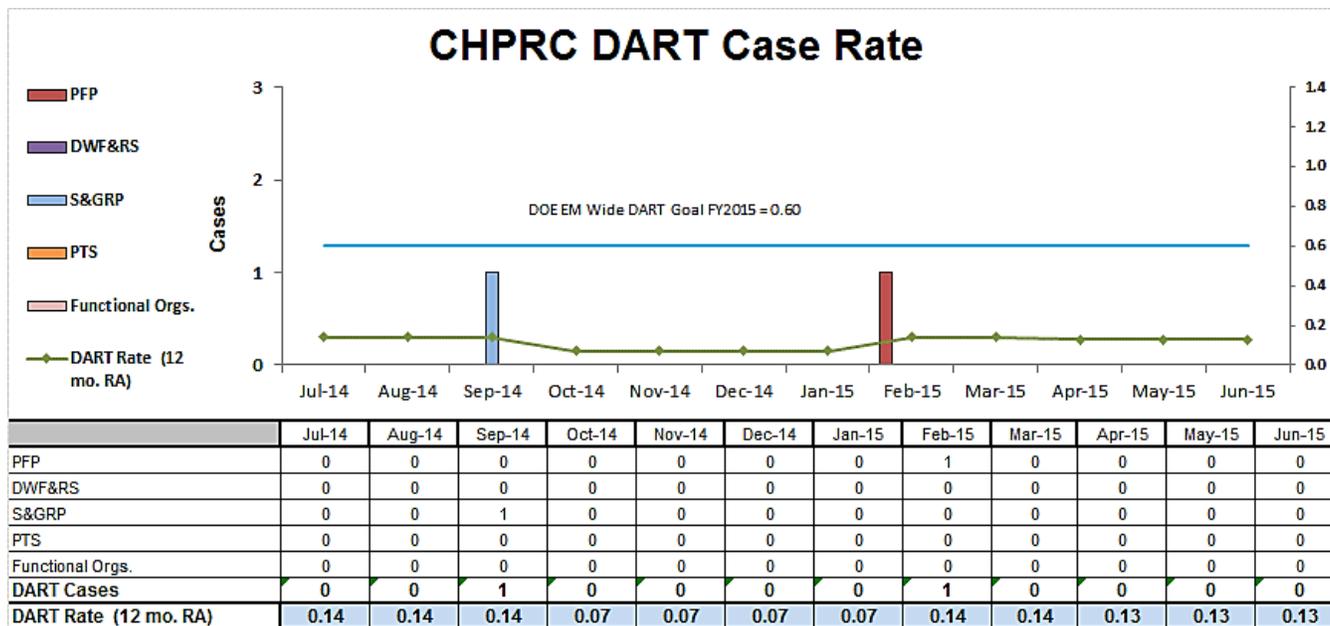
TARGET ZERO PERFORMANCE

June 2015

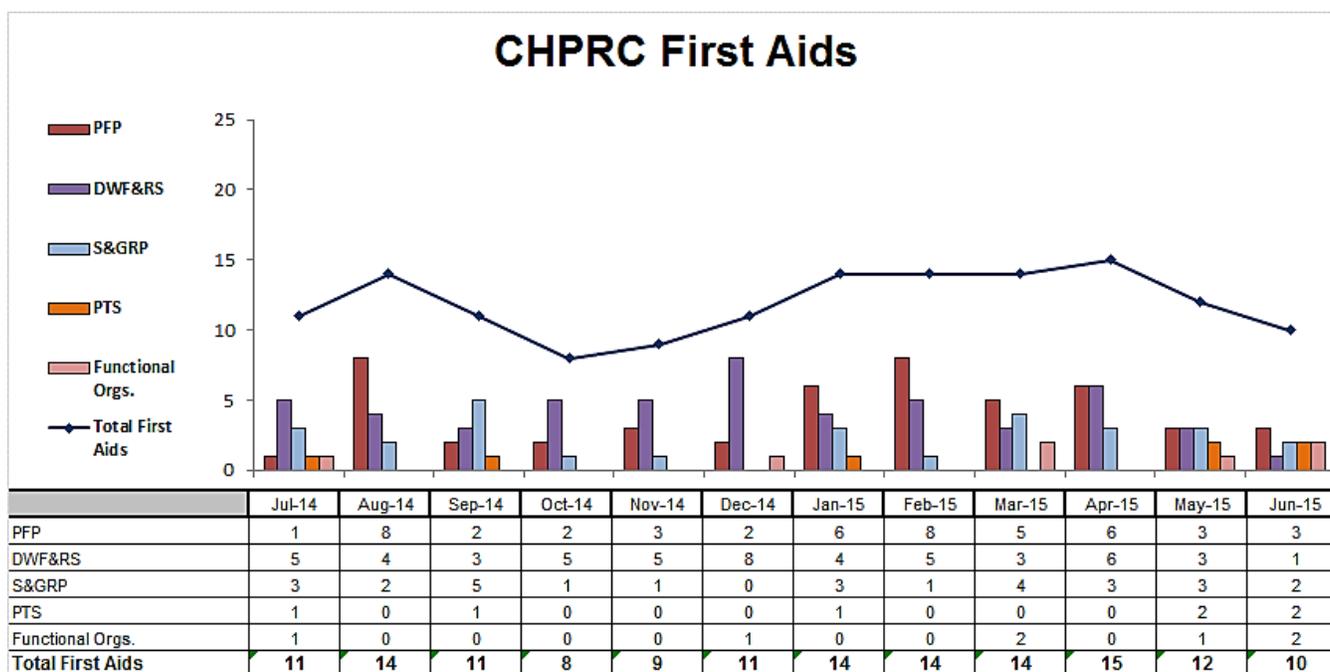
CHPRC continued focusing on integrating and implementing safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate: The 12 month rolling average TRC rate of 0.73 is based on a total of 11 Recordable injuries. There was one Recordable case for June. There are no cases currently being evaluated or investigated for potential recordability



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



First Aid Case Summary: CHPRC reported 12 first aid cases in June 2015; of these, two cases required no treatment. There were three self-treated injuries. The contributors were four abrasions / contusions, three insect bites/stings, two miscellaneous injuries and one sprains / strains / pains.

KEY ACCOMPLISHMENTS

Projects

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

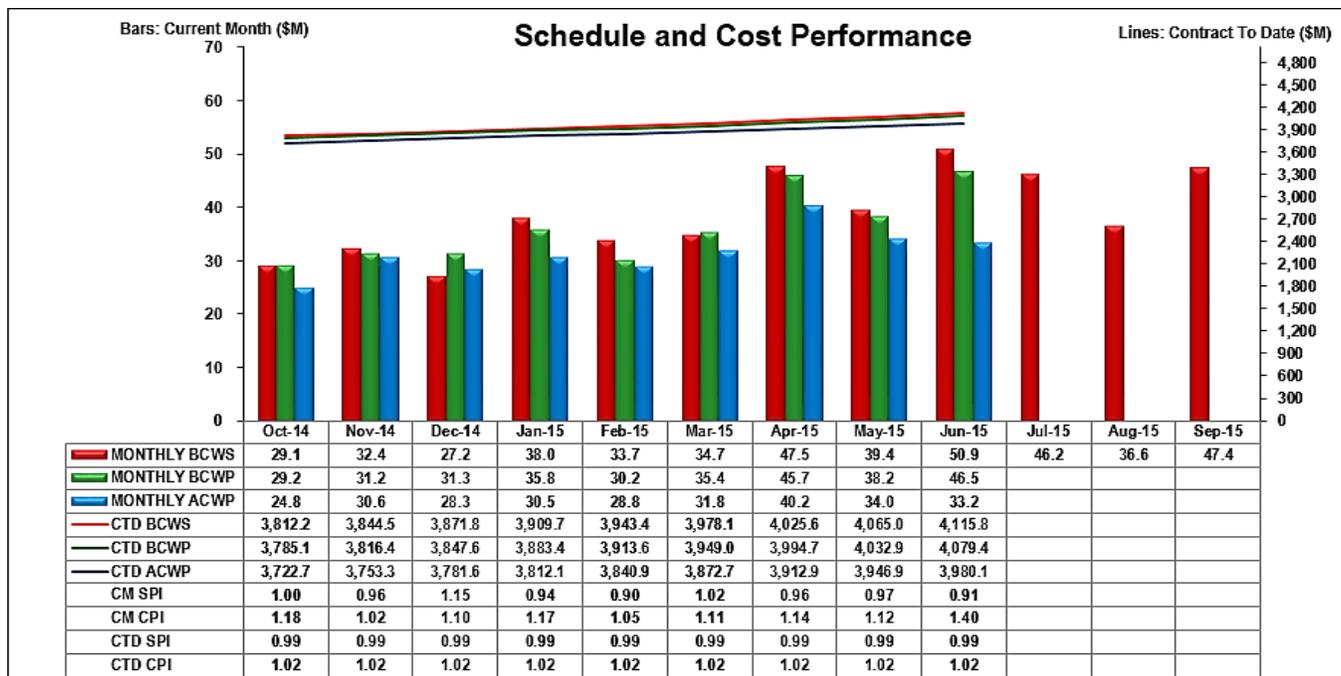
Project Services and Support

- 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 Period			
	Budgeted Cost		Actual Cost	Variance			Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance		
RL-0011 - Nuclear Materials Stab & Disp PFP	23.0	21.2	7.8	(1.7)	13.4	825.6	793.5	814.3	(32.1)	(20.8)	953.0	957.0	(4.1)		
RL-0012 - SNF Stabilization & Disposition	6.1	5.4	6.3	(0.7)	(0.9)	492.1	494.5	504.5	2.4	(10.0)	696.2	711.4	(15.2)		
RL-0013 - Solid Waste Stab & Disposition	7.8	6.4	5.9	(1.4)	0.5	953.8	953.3	903.2	(0.5)	50.1	1,363.2	1,293.1	70.0		
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	12.4	11.8	11.5	(0.5)	0.3	1112.5	1107.2	1089.1	(5.3)	18.2	1,546.5	1,501.8	44.7		
RL-0040 - Nuc Fac D&D - Remainder	1.0	1.0	0.9	0.1	0.1	397.8	397.4	366.3	(0.4)	31.1	462.0	429.3	32.6		
RL-0041 - Nuc Fac D&D - RC Closure Project	0.5	0.4	0.5	(0.1)	(0.1)	314.4	313.9	286.4	(0.5)	27.4	398.1	374.1	24.0		
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	0.2	0.1	(0.1)	19.5	19.5	16.2	(0.0)	3.3	26.7	22.9	3.8		
Total	50.9	46.5	33.2	(4.4)	13.3	4,115.8	4,079.4	3,980.1	(36.4)	99.3	5,445.6	5,289.6	155.9		

(Values are rounded to the nearest \$0.1M)
 (Values do not have UB breakout)

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$155.9 million with \$79.7 million of Management Reserve for a total positive variance of \$235.6 million.

For June, the project was 8.6 percent behind schedule and 28.6 percent under planned cost. For FY2015, the project was 2.8 percent behind schedule and 12.7 percent under planned cost. The current month schedule variance is primarily due to RL-0011 work delays on the 242-Z Control room glovebox removal activities as a result of a stop work associated with high temperatures, causing the work in the 242-Z tank room to lag. RL-0013 also contributed to variance with deferral of shipment TC128 to PFP in order to accommodate higher priority PFP shipments and remain within the commercial repack facility's license limits. The favorable cost variance is due to RL-0011 implementation of BCR-011.15-002RO which modifies the PMB to align with the definitization of Change Order #240 - Mitigation of Chemical Lines at PFP, CP 011-240 1388 - Mitigation of Chemical Lines at PFP, CP 011 PRC 1389 - Sequestration, PFP Closure Project FY2013 Sequestration Impacts and CPs in Contract Modification 403.

FUNDING ANALYSIS

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

PBS	Project	FY2015		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	128.1	116.9	11.2
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.4	81.0	5.4
RL-0013	Waste and Fuels Management Project	93.4	92.8	0.7
RL-0030	Soil, Groundwater and Vadose Zone Remediation	138.5	135.5	3.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	18.4	14.9	3.5
RL-0041	Nuclear Facility D&D, River Corridor	11.5	10.3	1.2
RL-0042	Fast Flux Test Facility Closure	2.2	1.6	0.5
Total Base:		478.5	453.0	25.5

Funds/Variance Analysis

FY2015 expected funding was reduced by \$1 million for holdbacks from RL to include funding for ATL support, Inter-Entity Work Orders with PNNL and National Security Technologies, U.S. Environmental Protection Agency Settlement Agreement, and Independent Project Review in support of establishing a Capital Asset Project for PFP Demolition. Expected funding changed from \$479.5 million to \$478.5 million. A funding re-rack was also processed in support of additional buy-back work scope. The re-rack reallocated funding by PBS, but did not change the overall funding level. The FY2015 Spend Forecast increased by \$3 million primarily due to additional adjustments for buy-back work scope. The projected uncOSTed funding balance is now projected to be \$25.5 million.

BASELINE CHANGE REQUESTS

In June 2015, CHPRC approved and implemented fourteen (14) BCRs impacting the PMB. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
BCR-011-15-002R0	<i>Definitization of CO #240, Mitigation of Chemical Lines at PFP</i>	This Baseline Change Request (BCR) modifies the PMB to align with the definitization of Change Order #240, Mitigation of Chemical Lines at PFP, as reflected in Contract Modification (CM) 403. This BCR increased the PMB by \$14,096K.
BCR-013-15-014R0	<i>T Plant Cell Cleanout Detailed Planning</i>	This BCR deletes planning package scope for T Plant Cell Cleanout from WBS 013.06.01.01 – T-Plant Base Operations. This deletion was offset by the addition of a new WBS element, 013.08.01.01.10, T Plant Canyon Preparation and Maintenance (FY2015/FY2016 scope), which includes detailed planning and a FY2016 planning package for canyon crane maintenance and repair. The \$1,377K balance of the original planning package BCWS is transferred to management reserve. This BCR decreased the PMB by \$1,377K.
BCR-030-15-018R0	<i>Finalize Micro-Purge/Low Flow Sampling Evaluation</i>	This BCR incorporates the scope associated with the \$100K NTE approved for “buy-back” scope associated with the Micro-Purge/Low Flow Sampling Evaluation. This BCR increased the PMB by \$100K.
BCR-030-15-019R0	<i>Revise Cumulative Impact Analysis Method of Performance</i>	This BCR modifies the currently planned level-of-effort earned value technique for WBS 030.01.02.01.01, Technical Integration, into a new WBS element, WBS 030.01.02.01.03, Cumulative Impact Analysis, with a percent-complete earned value technique to enable more accurate measurement of performance. This BCR did not change the PMB value.
BCR-030-15-020R0	<i>PBS RL-30 Schedule Health Updates – June 2015</i>	This BCR modifies the RL-0030 schedule to more closely align with schedule health as defined by DOE EVMS schedule health metrics. This BCR did not change the PMB value.
BCR-040-15-005R0	<i>Delay Canyon Risk Mitigation Planning Package</i>	This BCR modifies the PMB to incorporate additional workshop and post workshop activities and delays the start date for Canyon Risk Mitigation Planning Package from July 27, 2015 to November 30, 2015. This BCR did not change the PMB value.
BCR-041-15-010R0	<i>Definitization of CO 248, Implement DOE-0342, Rev 2A, Hanford Site CBDPP PBS RL-041 Impacts</i>	This BCR incorporates the impacts to PBS RL-041 from the definitization of CO #248, Implement DOE-0342, Hanford Site Chronic Beryllium Disease Prevention Program as reflected in CM 404. This BCR increased the PMB by \$252K.
BCR-PCR-15-039R0	<i>Definitization of CO 248, Implement DOE-0342, Rev 2A, Hanford Site CBDPP PBS RL-041 Impacts</i>	This BCR modifies the direct non-capital portion of the PMB to align with the definitization of Change Order #248, Implement DOE-0342, Revision 2A, and Hanford Site Chronic Beryllium Disease Prevention Program as reflected in CM 404. This BCR increased the PMB by \$1,856K.
BCR-PRC-15-041R0	<i>WBS Dictionary Update 91, 98, 99 Series</i>	This BCR adds WBS Dictionaries for the WBS level two 91, 98 and 99 series elements for all PBSs in response to the DOE-HQ Office of Acquisition and Project Management (OAPM) Stage 2 review of the CHPRC Earned Value Management System. This BCR did not change the PMB value.

Change Request #	Title	Summary of Change
BCR-PCR-15-042R0	<i>PBS RL-041 Related TPA Milestone Changes</i>	This BCR modifies PMB schedule activities to align with Tri-Party Agreement (TPA) Change Numbers M-16-15-03 and M-93-15-01, which modified the TPA to extend the due dates and add new interim milestones for the removal of sludge from the 105-KW Basin and for completing 100 K Area remediation activities. This BCR did not change the PMB value.
BCR-PRC-15-043R0	<i>Undistributed Budget Adjustments June 2015</i>	This BCR incorporates changes to Undistributed Budget for baseline changes processed and contract modifications received during the month of June. This change decreased the PMB by \$6,994K.
BCR-PRC-15-045R0	<i>TSD Closure Activities</i>	This BCR incorporates RL direction to proceed with actions associated with Technical Support Document Closure Activities valued up to \$1.5M associated with LLBG FS-1, 277-T Building, 277-T Outdoor Storage Area, 211-T Pad, 271-T Cage and 207-A South Retention Basin. This change increased the PMB by \$1,462K.
BCRA-011-15-003R0	<i>PBS RL-011 Schedule Health Updates - June 2015</i>	This BCR modifies PBS RL-0011 schedule to more closely align with schedule health as defined by DOE EVMS schedule health metrics. This BCR did not change the PMB value.
BCRA-PRC-15-040R0	<i>Schedule Health - Eliminate Duplicate PBS RL-012 and PBS RL-040 Activity Names</i>	This BCR makes administrative changes to Activity Names to make them unique. There are no changes to Scope, Schedule, or Budget. The intent of the impacted activities is not changed. This BCR addresses PBS RL-012 and RL-040. This BCR did not change the PMB value.

Overall, the contract Performance Measurement Baseline budget increased \$9,396K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-013-15-014R0	<i>T Plant Cell Cleanout Detailed Planning</i>	2015 - 2018	\$1,377K

Overall, there was an increase of \$1,377K to Management Reserve during June.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-011-15-002R0	<i>Definitization of CO #240, Mitigation of Chemical Lines at PFP</i>	2014 - 2018	\$1,000K

Overall, there was an increase of \$1,000K to Fee during June.

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):

June 2015 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
May 2015 Estimate									
PMB	3,391,477	391,653	451,099	446,494	357,040	398,403	2,044,689	5,436,166	5,436,166
MR	0	0	6,211	21,000	20,506	30,650	78,367	78,367	78,367
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
Total	3,546,981	405,978	470,811	487,294	386,346	445,626	2,196,055	5,743,035	5,743,035
June 2015 Change									
PMB									
Change to PMB	0	0	11,720	-23,233	1,116	19,792	9,395	9,395	9,395
MR									
Change to MR	0	0	1,738	-361	0	0	1,377	1,377	1,377
Fee									
Change to Fee	0	0	1,000	0	0	0	1,000	1,000	1,000
Total Change	0	0	14,458	-23,594	1,116	19,792	11,772	11,772	11,772
June 2015 Estimate									
PMB	3,391,477	391,653	462,819	423,261	358,156	418,195	2,054,084	5,445,561	5,445,561
MR	0	0	7,949	20,639	20,506	30,650	79,743	79,743	79,743
Fee	155,504	14,325	14,501	19,800	8,800	16,573	73,999	229,503	229,503
Total	3,546,981	405,978	485,269	463,700	387,462	465,418	2,207,827	5,754,808	5,754,808

Changes to/Utilization of Management Reserve in June 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
May 2015 MR Totals								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	6,211	21,000	20,506	30,650	78,367	78,367
June 2015 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	1,738	-361	0	0	1,377	1,377
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	1,738	-361	0	0	1,377	1,377
June 2015 MR Totals								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	2,738	1,639	800	6,824	12,001	12,001
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	7,949	20,639	20,506	30,650	79,743	79,743

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods				Projection to FY18	
10/1/2008 -6/30/2015				Planned Subcontracting:	\$2,406,850,560
Reporting Category				Contract-to-date awards:	\$2,232,730,814
				Bal remaining to award:	\$174,119,746
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,149,744,177	51.49%	0.493	\$1,186,577,326	\$36,833,149
SDB	\$197,648,601	8.85%	0.082	\$197,361,746	-\$286,855
SWOB	\$230,147,707	10.31%	0.075	\$180,513,792	-\$49,633,915
HUB	\$42,748,800	1.91%	0.022	\$52,950,712	\$10,201,912
VOSB	\$141,356,485	6.33%	0.035	\$84,239,770	-\$57,116,715
SDVO	\$71,486,224	3.20%	0.013	\$31,289,057	-\$40,197,167
NAB	\$33,589,745	1.50%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
Large	\$593,834,282	26.60%	N/A		
GOVNT	\$2,221,494	0.10%	N/A		
GOVNT CONT	\$482,866,522	21.63%	N/A		
EDUCATION	\$100,664	0.00%	N/A	Total Contract (mod 403):	\$5,712,705,807
NONPROFIT_	\$3,639,885	0.16%	N/A	17% rqmt:	\$971,159,987
FOREIGN	\$323,789	0.01%	N/A	SB actual:	\$1,149,744,177
Total	\$2,232,730,814	100.00%	N/A	Bal to rqmt	-\$178,584,190

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.23 billion in goods and services with over 51 percent going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93 percent of the total dollars arise from service and staffing contracts and contract amendments with five percent of the remaining expenditures arising from P-Card purchases and the balance in purchase orders for materials and equipment.
3. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



J. M. Swartz
Vice President for
PFP Closure Project

June 2015
CHPRC-2015-06, 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	-	221 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	360	20,106 feet
Process Vacuum Piping Dispositioned	-	2,627 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	-	196 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	-	72 m ³
TRU/TRU-M Shipped	43 m ³	1,739 m ³
LLW/MLLW Shipped	49 m ³	6,297 m ³

The 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 at 96 percent complete.

- Initiated development of the Safety Basis Implementation Plan and Implementation Verification Review (IVR) checklist in response to receipt of RL's approval of the HNF-15500 "Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis" Rev 12 and HNF-15502 "Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements" Rev 12".
- Removed and size-reduced 163 feet of Closed Loop Cooling Water (CLCW) lines from 236-Z PRF Gallery Gloveboxes.
- Completed removal of the criticality drain on the 236-Z PRF third floor
- Continued 236-Z PRF Canyon waste debris clean-up, packaging, and load-outs
- Continued work on Control Room WT-1 Glovebox size reduction and waste load out
- Removed 360 feet of asbestos
- Removed 293 feet of E-4 ducting from 234-5Z Duct Level
- Removed Filter Boxes FB-4, FB-6, FB-10, FB-18 from 234-5Z

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions	Due Date	Status
15-EMS-PFP-OB1-T1	Reduce/eliminate potential contaminated effluents (air and liquid) from PFP complex	1. Remove material at risk to reduce potential air emissions. 2. Reduce/eliminate contaminated liquid effluents.	1. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of January 2015	02/16/15	100% Completed 2/3/15
			2. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of August 2015	09/15/15	0%
			3. Eliminate contaminated waste water streams and shut down 243-Z treatment facility (includes 296-Z-15 stack)	09/30/15	47%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	5	N/A
First Aid Cases	3	49	<ul style="list-style-type: none"> 6/4/15 - Employee was descending a ladder and missed the last two steps, landing on feet and arms. Employee taken to HPMC, right arm strain, returned to work with no restriction. (23699) 6/23/15 - Employee was moving a Roll-A-Lift, lost their balance and fell. The handle of the cart struck the employee on the right side of the body. Employee was taken to HPMC and returned to work with no restriction. (23713) 6/24/15 - Employee was bitten on the arm by an unidentified bug. Employee was taken to HPMC and returned to work with no restriction. (23715)
Near Misses	0	4	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant Plutonium Finishing Plant (PFP)

- Initiated development of the Safety Basis Implementation Plan and Implementation Verification Review (IVR) checklist in response to receipt of RL's approval of the HNF-15500 "Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis" Rev 12 and HNF-15502 "Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements" Rev 12".

11.05 Disposition PFP Facility

242-Z

- Continued work on Control Room WT-1 Glovebox size reduction and waste load out.

234-5Z

- RMC Line
 - Continued size reducing HC-9B. One wall remains of 3rd level glovebox.
 - Removed wall between rooms 235A-3 and 232 in order to remove interferences for HA-9A size reduction.
- Duct Level
 - Removed 360 feet of asbestos.
 - Removed 293 feet of E-4 ducting from 234-5Z Duct Level.
 - Removed Filter Boxes FB-4, FB-6, FB-10, FB-18 from 234-5Z.

236-Z Plutonium Reclamation Facility (PRF)

- Canyon
 - Continued Canyon waste debris clean-up, packaging, and load-outs.
- Gallery Gloveboxes
 - Removed and size-reduced 163 feet of closed loop cooling water (CLCW) lines from Gallery Gloveboxes.
- Column Gloveboxes/Criticality Drains
 - Completed removal of the criticality drain on the third floor.

MAJOR ISSUES

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

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

Status – The DSA/TSR Rev 12 was approved by RL on May 4, 2015. The implementation plan has been approved, affected documents are being modified, and training is being performed. Implementation is scheduled for the week of July 20, 2015.

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

Corrective Action – Coordinate with Environmental Programs to establish mass balance calculations for various hazardous materials, demonstrating how much hazardous material may be blended with building rubble and still meet ERDF waste acceptance criteria.

Status – PFP is continuing to work with Maintenance and Waste Integration to establish mass balance calculations. This effort is expected to be completed no later than September 30, 2015.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

- ↑ Increased Confidence
- ↔ No Change
- ↓ Decreased Confidence

*Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
RL-011/WBS-011																			
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for RL-011 in the month of June.																			
Realized Risks (Risks that are currently impacting project cost/schedule)																			
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	The regulatory interpretation of "may contain significantly less than 1 kg" of material within the PFP complex will lead to significantly more MAR removal than planned and could require unauthorized activities (e.g., slab removal), necessitating delays to prepare and approve environmental documents to supplement the existing CERCLA removal action, resulting in schedule delays, and cost impacts. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$4M, 80 days	↔		Risk Event: Presented CHPRC "white paper" to RL, providing our legal and contractual position that there is no requirement that the amount of residual contamination contained within the slabs and below grade surfaces be <1 kg. RL continues to maintain a position that they believe there is no issues with the <1kg <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Risk recovery action(s)</th> <th style="text-align: center;">Risk Date</th> <th style="text-align: center;">FC Date</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td>Manage in real time between PFP, Environmental, Contracts, and Legal</td> <td rowspan="2" style="text-align: center;">03/02/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop a white paper for DOE-RL (Environmental has the lead) for concurrence</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Submit formal REA</td> <td></td> <td style="text-align: center;">08/27/15</td> <td style="text-align: center;">25</td> </tr> </tbody> </table> criteria. Recovery Action Assessment: Initiated development of a ROM estimate to physically remove the slabs, at RL request. Received formal letter from RL requesting submittal of a formal proposal to perform slab removal activities. Development of an informal estimate was developed and was presented to RL on June 04, 2015 for their consideration. It is expected that RL will make a decision on path forward by July 31, 2015.	Risk recovery action(s)	Risk Date	FC Date	%	Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100	Develop a white paper for DOE-RL (Environmental has the lead) for concurrence	Complete	100	Submit formal REA		08/27/15	25
Risk recovery action(s)	Risk Date	FC Date	%																
Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100																
Develop a white paper for DOE-RL (Environmental has the lead) for concurrence		Complete	100																
Submit formal REA		08/27/15	25																
PFP-GB-11: Premier System/Suit Training	Identified D&D field teams are not fully trained or qualified to operate Premire system or wear Premire suits resulting in schedule delays. Risk Handling Strategy: Accept Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 44 days *Cost increase will result in cost per day impacts from crews, and hotel load.	↑		In the month of June the project closed out all recovery actions to reduce this from a Key Project Risk to a moderate risk value. This risk will no longer be reported, but will continue to be monitored internal to the project.															

Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																
PFP-092: Increased Characterization	Source term uncertainties increase the need for characterization above what is planned for cost and schedule, resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 45 days	●	↔	Risk Trigger: Will continue throughout project lifecycle until Demolition activities commence. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Mitigation action(s)</th> <th style="text-align: center;">FC Date</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td>Identify characterization coordinator to perform field characterization/sampling.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop real-time go-no-go decisions into work documents for Environment, and Safety concerns.</td> <td style="text-align: center;">08/06/15</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> Mitigation Assessment: No changes in the month of June. Development of characterization strategy was completed in the month of May with no foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.	Mitigation action(s)	FC Date	%	Identify characterization coordinator to perform field characterization/sampling.	Complete	100	Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	Complete	100	Develop real-time go-no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0
Mitigation action(s)	FC Date	%														
Identify characterization coordinator to perform field characterization/sampling.	Complete	100														
Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	Complete	100														
Develop real-time go-no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0														

FY 2015 Risk Triggers (Risk could be realized in FY 2015)																						
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Air Dispersion identified additional MAR reduction higher than planned or DOE directs constrains from Rev.12 SER, resulting in additional decontamination/fixatives and equipment removal prior to initiating open-air demolition resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 120 days *Cost increase will result in cost per day impacts from crews, and hotel load.			Risk Trigger Metric: 07/06/2015																		
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with the CHPRC environmental to communicate bounding assumptions for air modeling.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with regulators to identify controls to allow for equipment removal and demolition as planned.</td> <td>07/15/15</td> <td>50</td> </tr> <tr> <td>Develop and implement plans to document criterion are met.</td> <td>08/30/15</td> <td>0</td> </tr> <tr> <td>Deploy teams from non-critical path work scope to reduce schedule impacts.</td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100	Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100	Work with regulators to identify controls to allow for equipment removal and demolition as planned.	07/15/15	50	Develop and implement plans to document criterion are met.	08/30/15	0	Deploy teams from non-critical path work scope to reduce schedule impacts.	09/30/15	0
				Mitigation action(s)	FC Date	%																
				Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100																
				Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100																
				Work with regulators to identify controls to allow for equipment removal and demolition as planned.	07/15/15	50																
				Develop and implement plans to document criterion are met.	08/30/15	0																
Deploy teams from non-critical path work scope to reduce schedule impacts.	09/30/15	0																				
Mitigation Assessment: Additional MAR removal may be required based on PNNL Air Dispersion model. This would impact cost, and result in prioritization of MAR removal activities. No alternative course of actions needed at this time. The initial draft of the revised Air Dispersion Model is expected to be received mid-June 2015. Reviewed preliminary plume models for PRF Gallery Gloveboxes – developing sampling plans to refine hold up quantity, form, and distribution.																						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)																						
PFP-291-01 - 291-Z Characterization Unknowns	Characterization data will uncover higher levels of contamination than expected in the stack and 291-Z plenum to support demolition, resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1M, 88 days			Risk Trigger: 07/09/16																		
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify characterization team to obtain characterization data for 291-Z.</td> <td>01/07/16</td> <td>0</td> </tr> <tr> <td>In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.</td> <td>04/04/16</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Identify characterization team to obtain characterization data for 291-Z.	01/07/16	0	In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0									
				Mitigation action(s)	FC Date	%																
Identify characterization team to obtain characterization data for 291-Z.	01/07/16	0																				
In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0																				
Mitigation Assessment: No changes in the month of June . No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored to obtain characterization data early in the project. No alternative course of actions needed at this time.																						
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)																						
PFP-PRF-22: OPP: NDA Process Allows for Section Results to be used	Improved NDA process allows for disposition of gallery gloveboxes into waste containers by using section data rather than summation of entire glovebox, resulting in schedule efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$0, 60 days *Cost savings will result in cost per day from crews, and hotel load.			Risk Trigger: 10/05/2015																		
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify activities necessary to implement in the FES</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete FES activities (last FES activity PRF-GGB-0157)</td> <td>01/4/16</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Identify activities necessary to implement in the FES	Complete	100	Complete FES activities (last FES activity PRF-GGB-0157)	01/4/16	0									
				Mitigation action(s)	FC Date	%																
Identify activities necessary to implement in the FES	Complete	100																				
Complete FES activities (last FES activity PRF-GGB-0157)	01/4/16	0																				
Mitigation Assessment: No changes in the month of June . No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored throughout the Gallery Glovebox subproject lifecycle. No alternative course of actions needed at this time.																						
Unassigned Risks (Pending ownership of identified risks/opportunities)																						
No unassigned risks identified for RL-011 in the month of June .																						

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	23.0	21.2	7.8	(1.7)	-7.6%	13.4	63.1%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$1.7M/-7.6%)

The current month negative schedule variance is associated with the work delays on the 242-Z Control room glovebox removal activities as a result of a stop work associated with high temperatures causing the work in the 242-Z tank room to lag. In addition, work in the 234-5Z duct level has been delayed while resources have been diverted to complete higher priority critical path work (i.e., RMA/RMC glovebox removal, and PRF Canyon cleanup). In addition, delays in process vacuum piping removal in A-labs, and asbestos removal activities were encountered due to unplanned interference removals and sampling of unknown materials found in the walls. This is partially offset by working historical BCWS associated with in-situ size reduction efforts on the 234-5Z gloveboxes.

CM Cost Variance: (+\$13.4M/+63.1%)

The current month favorable cost variance is primarily the result of the implementation of BCR-011.15-002RO which modifies, the RL-011 PMB to align with the definitization of CO #240, Mitigation of Chemical Lines at PFP, CP 011-240 1388 Mitigation of Chemical Lines at PFP, CP 011 PRC 1389 Sequestration, PFP Closure Project FY2013 Sequestration Impacts CPs and other associated PFP releases documented in Contract Modification 403.

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	825.6	793.5	814.3	(32.1)	-3.9%	(20.8)	-2.6%	953.0	957.0	(4.1)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Variance (-\$32.1M/-3.9%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$20.8M/-2.6%)

The Cost Variance is within reporting thresholds.

Variance at Completion (-\$4.1M/-0.4%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.1	116.9	11.2

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 of \$128.1 million remained relatively constant for June. The Spend Forecast increased slightly from prior month to \$116.9 million.

Critical Path Schedule

The PFP critical path drives through the completion of process piping removal in the 234-5Z duct level, leading to 234-5Z becoming ready for demo, then demolition of 234-5Z, and finally stabilization of the PFP site leading to completion of the final Tri-Party Agreement milestone – M-083-00A - *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCR-011-15-002R0, *Definitization of CO #240, Mitigation of Chemical Lines at PFP*

BCRA-011-15-003R0, *PBS RL-011 Schedule Health Updates – June 2015*

BCRA-PRC-15-044R0, *HPIC Updates June 2015*

BCR-PRC-15-039R0, *Definitization of CO #248, Implement DOE-0342, Rev 2A, CBDPP Revision*

BCR-PRC-15-041R0, *WBS Dictionary Update, 91, 98, 99 Series*

BCR-PRC-15-043R0, *Undistributed Budget Adjustments June 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-Z & 291-Z Facilities	09/30/15		6/15/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable. NOTE: This TPA Milestone has changed to “Complete significant progress on removal of gloveboxes and disposal of 236-Z Pencil Tanks”. This will be updated with a BCR in August reporting.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		10/3/16	The PFP Project continues to make progress on the behind schedule critical path work scope being performed. However, this Tri-Party Agreement completion is at risk of meeting the September 30, 2016 commitment date.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

June 2015
CHPRC-2015-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition, supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex construction activities, and continued debris dose rating and relocation activities in 105KW Basin.
- The ECRTS technical team continued with executing the activities that re-establish the design for the safety-related Auxiliary Ventilation System and progress was made on the design and supporting calculations. The system design drawings, calculations, and specifications are in the review/comment incorporation cycle. Performance criteria has been established and critical characteristics are in the review cycle. Application of the USQ-Like Process to all proposed design changes will ensure that the design remains compliant with the RL approved safety design basis.
- The ECRTS Project continued to process additional procurement packages and has fifteen packages in the formal acquisition process. Work on the four performance measures in the ECRTS procurements scope are on schedule to complete in the fiscal year.
- Continued testing activities at the Maintenance and Storage Facility (MASF) and preparations for cold commissioning. Continued Operator training and familiarization with ECRTS components at MASF along with fabrication on support tools and equipment.
- Annex Construction continued to make progress with Mechanical and Electrical installations, conduit installation, wire installation and initiated insulation resistance and continuity tests for all power circuits in the facility, welding and installation of Ion Exchange Module (IXM) piping, fire caulking penetrations, installation of fire piping and preparations for electrical outage.

EMS OBJECTIVES AND TARGET STATUS

15-EMS-DWFRS-OB1-T2	Reduce the risk of noncompliance with environmental requirements.	Develop compliance matrices for 100K CERCLA documents.	9/30/15	45%
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TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	26	N/A
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement issued contract for procurement set #9; SS STSC Instrumentation & Assembly Integration. Buy Back Set #1; General Service (GS) Control System Panels and Junction Boxes - completed fabrication and testing on all panels and junction boxes except PNL-201. Procurement Set #8; Sludge Transport and Storage Container (STSC) Vessels - Fabrication of the first-article STSC has been completed final testing still ongoing.
- Annex Construction completed Power Pole (K341) relocation, the tape and float finish and the painting of the change room, the installation of the HVAC and duct work in the change room, the pneumatic integrity testing of the compressed and instrument air systems, the installation of the 2" shielding plate over the process hoses in the (Husc In Husc) chase, welding/installation of the IXM piping in the building, and the formwork for the HIH lid placement cover over the 2" shielding plate. Conducted and passed the cleanliness test of all the galvanized HVAC ductwork in the building, the integrity testing of the IXM system and the cleanliness and pressure tests of the stainless AG-1 ductwork in the building.
- K Basin and Annex Equipment Design completed engineering package #6 for the comprehensive construction acceptance test specification for the in-basin and annex process equipment, EP #13 and the FMP ECR-15-000368 for installing the booster pump skids and the rupture disk skids, the FMP and engineering package 15 for installing the XAGO retrieval tool, deployment beam and instrument spool piece, incorporating constructability comments on engineering package #18 for the ingress/egress piping installation and issued FMP, engineering package #16 for the dog house installation and shield plates, and the ECR to address comments on the replacement door between the basin and Room 3.
- T Plant design completed the updated water addition Facility Modification Package.
- MASF - The ECRTS STSC/Cask venting demonstration was completed. Completed the procedure and work package for the T-Plant nitrogen purge panel demonstration.
- 100K Operations completed 189K Two-Year Indicating Transmitter Calibrations TIT-301-201, repair of 105KW Basin Ion Exchange Module (IXM) 4 connection leak, troubleshooting and repair of HVAC Unit #2, and returned to service, and repair of 12-inch water line to 189K.
- K Basin Deactivation Preparation - HNF-6495, *KW Basin below-water debris and demolition rubble Sampling and Analysis Plan*, Revision 3, was approved by RL and EPA.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

- Increased Confidence
 - No Change
 - Decreased Confidence
- *Red arrow indicates realized risk
*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-012/WBS-012																		
Explanation of major changes to the project monthly stoplight chart:																		
No major changes to the stoplight chart in the month of June.																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
STP-111-A: Contractor/ Subcontractor Performance - Annex Construction	The General Contractor and their supporting subcontractors have historically performed poorly and will be challenged on this project by compliance with project and contract flow down requirements (e.g., quality, nuclear standards, site safety requirements, subcontract management to ensure contract requirements are met, NRTL compliance, suspect counterfeit, Buy-American contract clause, Project Controls requirements, development of Construction Acceptance Testing [CAT], timely processing of submittals compliance with all the subcontract flow down requirements) as well as deployment and maintenance of key staff that are essential to safe, cost effective and on-time project delivery. This risk is further compounded by sequestration and decrement funding. Risk Handling Strategy: Accept Probability: Very Likely (> 90%) Worst Case Impacts: \$8.3 million, 112 days		Risk Event: Albi Clad repairs and associated impacts on mechanical and electrical contractor delays, and recent delays by the General Contractor with the closeout of various NRC conditions (e.g., various bolt-related issues/conditions) and material and procurement delays have impacted the critical path schedule. Material procurement delays have impacted the fire piping installation, ductwork installation, and impacted critical path electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 10%;">%</th> </tr> </thead> <tbody> <tr> <td>Request Contractor Status Report</td> <td rowspan="3" style="text-align: center;">05/08/12</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)</td> <td style="text-align: center;">9/30/15</td> <td style="text-align: center;">85</td> </tr> <tr> <td>Develop Correction Action Plans</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> Recovery Action Assessment: CAP's and other historical corrective actions have not been effective. Therefore, the CHPRC project team continues to press on resolution of the various emergent issues in the weekly forums that are already scheduled (i.e., QA, Engineering, POD/POW, FEC Interface Meeting, and Management Forums). Albi Clad is 95 percent complete in the field. Fire seals at the intermediate bay continue to hold up the change room installation. Electrical and Mechanical material procurement of SS components that caused the majority of the delays is 95 percent complete. Fire Piping installation recovery complete. CHPRC continued to work contract close out with cost price staff and third party auditors. Third party auditor contract has been awarded and is being engaged in the closeout preparation process. Subcontract status request was received. "To Go" change was not issued to FE&C at the end of May as planned due to less than adequate proposal received from FE&C. FE&C was directed to revisit their proposal to include \$1.5 million of missing costs and resubmit their proposal. A new proposal from FE&C is expected on July 30, 2015 . CHPRC is in the process of reviewing this proposal and expects to complete the review by end of June.	Risk recovery action(s)	Risk Date	FC Date	%	Request Contractor Status Report	05/08/12	Complete	100	Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)	9/30/15	85	Develop Correction Action Plans	On-Going	N/A
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Develop Correction Action Plans		On-Going	N/A															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-012/WBS-012																					
STP-120-A: Design & Engineering During Construction (Title III) - Annex Construction	<p>Architect Engineering contractor errors and omissions in design details, field interferences, and as-found construction conditions identified during construction require clarification and rework of design media.</p> <p>Additionally, changes in engineering processes, engineering codes or standards (e.g., code of record), other requirements (e.g., PDSA, FHA), changes in other site processes or procedures (e.g., H&R, OS&IH, L&T) also impact construction execution.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$1.2 M, 64 days</p>		<p>Risk Event: Design change affected field activities since September 2012 with corrective action plans completed in February 2013. In addition, the ability to address improper, imprecise, or missing design details was negatively impacted by losing resources to WRPS.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement all feasible design and field engineering corrective actions</td> <td rowspan="2">05/08/12</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete mechanical engineer requisition</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Determine DCNs phase implementation</td> <td></td> <td>07/30/15</td> <td>85</td> </tr> </tbody> </table> <p>Recovery Action Assessment: DCN phase implementation slid one month due to outstanding DCNs (seismic branching, wall penetrations, and concrete/site civil changes), forecasted finish date has been updated to reflect outstanding DCNs.</p> <p>Monitor A/E performance and field engineering facilitating where possible. Overall recovery was challenged by recent loss of ME Field Engineer, Design Authority (i.e., Ventilation Systems) and STP FPE assigned to the Annex Construction.</p> <p>Replacement requisition issued for field ME. Interviews in process. Quality candidates are not readily available. Backfilling for other resources will take several months.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100	Complete mechanical engineer requisition	Complete	100	Determine DCNs phase implementation		07/30/15	85			
Risk recovery action(s)	Risk Date	FC Date	%																		
Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100																		
Complete mechanical engineer requisition		Complete	100																		
Determine DCNs phase implementation		07/30/15	85																		
STP-119-A: Contract Close-Out - Annex Construction	<p>Contract closeout administrative cost, scope, and schedule are greater than anticipated extending the project closeout process beyond the planned work scope period requiring additional support and resources to assist in the contract closeout process as a result of late change requests, post contract REA's and change requests resulting, arbitration, post contract claims or legal proceedings.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$4.7M, 0 days</p>		<p>Risk Event: Change orders to limit eventual claims at the end of the job.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Issue Subcontractor Status Request Matrix</td> <td rowspan="3">02/01/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop estimate on the "To Go Costs"</td> <td>07/30/15</td> <td>75</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incurring Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td></td> <td>07/30/15</td> <td>75</td> </tr> </tbody> </table> <p>Recovery Action Assessment: CHPRC has initiated contract closeout actions. Internal cost price staff engaged, audit plan developed and FAR compliant auditors will be scheduling review meetings with the general contractor. Expect to issue "To Go" change by end of July. The two-month slip from the original forecast date results in no additional impacts to the project.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Issue Subcontractor Status Request Matrix	02/01/15	Complete	100	Develop estimate on the "To Go Costs"	07/30/15	75	Document changes into Phase I or Phase II completion buckets	Complete	100	Incurring Costs have been submitted by Contractor – CHPRC is reviewing.		07/30/15	75
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Document changes into Phase I or Phase II completion buckets		Complete	100																		
Incurring Costs have been submitted by Contractor – CHPRC is reviewing.		07/30/15	75																		
STP-121-A: As-Found Conditions - Annex Construction	<p>Historically, As-found, unknown-unknowns, and emergent conditions have impacted construction execution and contractor performance.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$208K, 8 days</p>		<p>In the month of June the project conducted a comprehensive risk register update. During that time, STP-121-A was re-characterized and impacts were reduced as the risk was broken out into three different risks to quantify impacts by construction phase (i.e., Annex, In Basin, T-Plant). Risk will continue to be monitored internal to the project, and closed out once Annex construction is complete.</p>																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																			
		Month	Trend																				
RL-012/WBS-012																							
STP-067A: Safety Classification of SSCs	DOE requires CHPRC to upgrade the safety classification of systems, structures, and/or components to a safety classification more conservative than the safety analysis dictates resulting in cost impacts, and schedule delays. Risk Handling Strategy: Accept Probability: Medium (26% to 74%) Worst Case Impacts: \$750K, 120 days	↓		<p>Risk Event: A PDSA Safety Evaluation Report (SER) containing three Conditions of Approval (COAs) was transmitted to CHPRC on February 5, 2015, (1500632/15-NSD-0027_RL). RL has requested submittal of a new or revised STSC headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiatives for spray leak methodology/spray leak control and for sludge layering have been approved, which will allow design modifications and related procurements to begin. All design changes will be reviewed through the USQ-Like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="2">02/05/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Execute the agreed upon work scope to update the ECRTS Design and PDSA.</td> <td></td> <td>09/30/15</td> <td>30</td> </tr> <tr> <td>Resubmit the updated PDSA to DOE RL for approval.</td> <td></td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: CHPRC and DOE RL Senior Management met and agreed upon a path forward. Recovery actions listed above are consistent with meeting results from April 6, 2015. Although CHPRC submitted an NOC via CHPRC-1501242, dated March 19, 2015, DOE RL denied a change occurred via 15-AMRP-0142.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRTS Design and PDSA.		09/30/15	30	Resubmit the updated PDSA to DOE RL for approval.		09/30/15	0
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STP-123-T: Design Maturity - T-Plant	The final Nitrogen System design is pending FHA update. The construction specification is currently in development. In addition, changes resulting from the PDSA impact the design. There is additional risk with bidder interpretation of the facility ECRs. They do not clearly provide the entire scope of the contractor's work and clarifying bid document details are required. Risk Handling Strategy: Accept Probability: Very Likely (>90%) Worst Case Impacts: \$200K, 96 days	↑		<p>Risk Event: The risk is being realized based on constructability reviews of the FMPs. The impacts associated with this are the additional cost and resources associated with correcting design errors and providing constructability aids, conducting material take offs, resulting in a lower cost underrun for performing the original design. Schedule impacts eminent due to spec and ECR quality. Facilitated session to be held on July 8, 2015. Actions for re-lidding design near term actions.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Incorporate PTS Comments on Construction Spec.</td> <td rowspan="3">03/03/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete PTS Construction Review w/Drawings and Specifications</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW</td> <td>07/07/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: No slides to the forecasted recovery dates; however, a path forward based on the outcome of the facilitated sessions will need to be addressed. No additional foreseeable impacts then those noted above in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions are needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	Complete	100	Complete PTS Construction Review w/Drawings and Specifications	Complete	100	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW	07/07/15	0					
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Complete PTS Construction Review w/Drawings and Specifications		Complete	100																				
Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		07/07/15	0																				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																							
FY 2018 Risk Triggers (Risk could be realized in FY2018)																							

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-012/WBS-012																						
STP-018: STP Operational Upset or Spill	An operational upset or spill results in a work shutdown at K Basins, resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 66 days <i>*Cost increase will result in hotel load cost per day.</i>	●	↔	<p>Risk Trigger: Will commence in FY2018 and continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.</td> <td>06/30/17</td> <td>5</td> </tr> <tr> <td>Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.</td> <td>July 2017</td> <td>0</td> </tr> <tr> <td>Utilize overtime as needed, or if required, to respond to events</td> <td>As needed</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: Forecasted mitigation dates are consistent with overall STP critical path schedule. No changes in the month of June. ECRTS Familiarization training for the NCOs at MASF has started and will continue through December 2015. Training and procedure development is underway as well. OTJ for the operators on MASF equipment will start in FY2017. No foreseeable impacts in the near future and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.	06/30/17	5	Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	July 2017	0	Utilize overtime as needed, or if required, to respond to events	As needed	N/A						
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STP-073: Processing Efficiency - Retrieval & Shipping	The realized processing efficiency associated with sludge retrieval and shipping operations does not match baseline plan. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$2.5M, 60 days	●	↔	<p>Risk Trigger: Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Review lessons learned from NLOP sludge retrieval.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.</td> <td>09/30/16</td> <td>50</td> </tr> <tr> <td>Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.</td> <td>8/15/18</td> <td>20</td> </tr> </tbody> </table> <p>Mitigation Assessment: No changes in the month of June. Operations personnel had training on the process system equipment and will continue to participate in training activities through production system installation at 100K. No foreseeable impacts in the near future and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Review lessons learned from NLOP sludge retrieval.	Complete	100	Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.	Complete	100	Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.	Complete	100	Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.	09/30/16	50	Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20
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Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20																				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																						
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Problems with aging building systems/components (e.g. ventilation systems, water distribution system, CAM's, instrument air system, fire alarm system, and electrical system, etc) result in inoperability or requires unscheduled maintenance/ outages, impacting planned operations or on-going surveillance and maintenance activities. Risk Handling Strategy: Control Probability: Very Likely (>90%) Worst Case Impacts: \$1M, 88 days	●	↔	<p>Risk Trigger: Will continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: No changes in the month of May. Operations continues to maintain the facilities in an operational status with no foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A	Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A									
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Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A																				
Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A																				
Unassigned Risks (Pending ownership of identified risks/opportunities)																						
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																						
STP-011C: Out of Scope T-Plant Upgrades to Store Sludge	Central Plateau receiving facility cannot receive sludge as scheduled. CHPRC Comment: Requirements changes dictated by DOE or regulators are outside CHPRC control.																					

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	6.1	5.4	6.3	(0.7)	-11.7%	(0.9)	-17.2%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.7M/-11.7%)

The negative SV is due to realization of BCWS in the current period for work that was completed in previous years for the Annex Construction Project and Process Equipment Procurements. The Annex Construction Project has experienced performance delays in the HIH dog house re-design completion, weather delays, and design submittal issues on fire systems.

CM Cost Performance (-\$0.9M/-17.2%)

The negative CV is due to Annex Construction mechanical and electrical claims that had not been previously identified by the construction contractor. Additionally, charges to update the technical basis for PDSA rev1 are contributing to the CV.

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	492.1	494.5	504.5	2.4	0.5%	(10.0)	-2.0%	696.2	711.4	(15.2)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$2.4M/+0.5%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$10.0M/-2.0%)

Variance is within reporting thresholds.

Variance at Completion (-\$15.2M/-2.2%)

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	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	86.4	81.0	5.4

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

For PBS RL-0012, the Projected Funding of \$86.4 million and Spending Forecast of \$81.0 million was essentially unchanged from the prior month.

Critical Path Schedule

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

Baseline Change Requests

None currently identified.

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin Sludge Removal from 105-KW Fuel Storage Basin.	09/30/2018		09/01/2018	Tri-Party Agreement Milestone M-016-175 was renegotiated on May 7, 2015. The due date has been extended to 9/30/2018.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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

June 2015
CHPRC-2015-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies, but continues to be impacted by emerging work and realized risks. The detailed final design for the Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) report was issued. Also, the W-130 project team worked to incorporate additional design changes for core drilling and seismic supports of ducting. In addition, the CWC completed the Material Balance Area 295 (2402WG) Biennial Inventory with RL Safeguards and no issues were identified.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-DWFRS-OB1-T1	Reduce the risk of noncompliance with environmental requirements.	Develop compliance matrices for T Plant and CWC.	9/30/15	45%

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	1	20	<ul style="list-style-type: none"> 6/16/2015 - Employee turned to take a step and twisted ankle, fell forward on hands and knees, and scraped right knee on gravel surface. (23706)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Performed Beryllium sampling activities within prescribed Central Waste Complex (CWC) buildings
- The Temporary Authorization request for the FS-1 Closure Plan was submitted by RL to Ecology on June 19, 2015. Ecology plans to start the public comment period for the plan by the end of June.

13.02 Capsule Storage & Disposition

- Performed/Completed:
 - Two year calibration of Differential Pressure Transmitter (DPT-K1-1 & DPT-K1-2)
 - Annual calibration of K1 exhaust duct Differential Pressure Indicator (DPI), Differential Pressure Transducer (DPT), and Differential Pressure Regulator (DPR).
 - One year Area Radiation Monitor (ARM) replacement and 30 day ARM function test
 - 30 day functional test of Pool Cell 11 gamma monitor system test and standby generators 225-DG-1/225BG-GEN-1.
 - 30 day Pool Cell Weight Factor Indicators/Transmitters (WFI/T) calibrations

- o Decontaminated three Radiation Indicating Detectors (RIT) in preparation for shipment back to vendor for factory warranty upgrades.
- o Completed 23 PM work packages
- o In support of Project W-130 activities:
 - Completed brake repairs/load testing of 15T on main hoist. Load test was successful.
 - Performed canyon entry for size reduction of the High Integrity Container (HIC) stand; stand placed into waste container for removal.
- **WESF Stabilization and Ventilation Project (W-130):**
 - o Issued final detailed design report (satisfies RL interim Key Performance Goal) June 11, 2015.
 - o Worked to incorporate additional design changes for core drilling and seismic supports of ducting. Core drilling design changes result in significant reduction in radiological dose to workers.
 - o Continued to develop statements of work for construction (ventilation, core drilling, and stabilization).
 - o Continued work with RL and Ecology to resolve permit modification application issues.
 - o Continued to finalize internal comments on Air Permit Phase 1 (permit request for continued use of existing stack permit conditions) for approval by WDOH.
 - o Continued planning for failed capsule response plan activities in G cell, F cell manipulator removal, and G cell manipulator reactivation.
 - o Conducted control decision meeting for development of Documented Safety Analysis (DSA) and Technical Safety Requirement (TSR) modifications for the project.
 - o Continued development of Change Proposal in response to Change Order 269 WESF K3 Ventilation and Stabilization Implementation.

13.03 Canister Storage Building (CSB)

- Performed/Completed:
 - o Quarterly Lock and Tag (LOTO) audit.
 - o Semi-Annual Sample Hood Differential Pressure Indicator (DPI) calibration.
 - o Continued five-year fire water storage tank TK-500-001 inspection, cleaning, and repair by contract divers and support staff.
 - o Monthly testing/filter change of Gaseous Effluent Monitoring system (GEMS) -100, Continuous Air Monitor (CAM), emergency light/GFCI, 2701 HV propane generator and Radioactive Material Area (RMA) inspections.
 - o Annual MCO Handling Machine (MHM) inspections/grapple pressure switch and seismic pressure switch calibrations.
 - o Annual Alpha Continuous Air Monitor (CAM) calibration.
 - o 11 Preventive Maintenance (PM) work packages.

13.06 TRU Repackaging

- All Solid Waste Operations Complex (SWOC) waste previously shipped to PermaFix Northwest (PFNW) has been processed.
- The next TRU shipment from CWC to PFNW is scheduled for July 16, 2015.
- Received return shipments containing seven boxes and one drum from PFNW to Mixed-Waste Trench (MWT).

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Supported off-site Nondestructive Assay (NDA) Performance Demonstration Program (PDP) inventory team. Purpose was to evaluate the condition of the PDP components and assess the condition of the sludge matrix for future waste generated by River Corridor Contractor (WCH).

- o Six-month High Energy Real Time Radiography (HERTR) interlock and leak check preventive maintenance (PM), and six-month HERTR Area Radiation Monitor functional test at 2406W.
- o HERTR Chiller and Varian Support PM.
- o Management stop work was issued for all SWOC roll-up doors after the 2402WB east side roll-up door failed while opening, and dropped to the closed position. Maintenance evaluations were performed to determine cause.
- Surveillances/PMs:
 - o 15 TSR surveillances
 - o 12 PM packages
 - o 74 Radiological (Rad) surveillances
 - o 46 Operational surveillances

13.08 T Plant

- Performed/Completed:
 - o Calibrated KURZ® equipment
 - o Depressurized propane cylinders
 - o Vestibule planning (75 percent complete)
- Surveillances/PMs
 - o Seven TSR surveillances
 - o 229 Rad surveillances
 - o 21 PM packages
 - o 112 Operational surveillances

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

- Performed/Completed:
 - o CWC building floor repair work in 2403WC & 2403WD for caulking and painting
 - o Beryllium sampling activities within Connex boxes throughout Low Level Burial Grounds (LLBG).
 - o Rain washout damage repairs to Trench 34 ramp and LLBG 4C Trench 4 ramp
 - o Critical lift for loading and moving 231ZDR-11 over-pack from Z14 to Z16
 - o Material Balance Area (MBA) 295 (2402WG) Biennial Inventory with RL safeguards. No issues identified.
 - o Conducted annual site-wide exercise at CWC
 - o Received four shipments containing nine standard waste boxes (SWB) and 28 drums from Plutonium Finishing Plant (PFP) to Central Waste Complex (CWC).
- Surveillances/PMs:
 - o One TSR surveillances
 - o 15 PM packages
 - o 179 Rad surveillances
 - o 156 Operational surveillances

13.12 Integrated Disposal Facility

- Completed monthly inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed:
 - o 31 Rad surveillances

- o 109 Operational surveillances

MAJOR ISSUES

Issue:

Aging Fire Alarm Systems (FAS) have made it difficult to maintain reliable operation and obtain like-for-like replacement parts. These FAS are no longer supported by the manufacturer. Six of the existing Fire Alarm Control Panels (FACP) at CWC and T Plant are obsolete. Parts are no longer available from the manufacturer or Hanford Fire Department (HFD). It is likely that one of these FACP will fail within a year. The 2402 series buildings will require a FACP to support the new Remote Fire Alarm Reporter (RFAR) system. The existing RFARs are no longer supported by the manufacturer. Hanford Fire Department has enough parts available to support their operations for about two years. Many of the Solid Waste Operations Complex (SWOC) FACPs were designed with limited abilities. Most FACPs were configured with all the supervisory devices (e.g., temperature monitor, tamper devices, air pressure monitor) on a single zone. When a trouble signal is transmitted to the HFD, they cannot determine the cause until they perform an onsite investigation. When the HFD bypass RFAR trouble signals, all other trouble signals transmitted from the same FACP are ignored.

Corrective Action:

Fund and update the fire alarm control panels/devices and RFAR systems. This action will allow improved abilities to identify multiple fire trouble alarms and provide continued service of the FAS through the lifecycle of the facilities.

Status:

Received RL authorization (Change Order) to proceed with this work. Initiating subcontract with a fire protection engineering company to perform design work for the facility sensors.

Issue:

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

Corrective Action:

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

Status:

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

Issue:

CWC lighting failures: CWC complex buildings' older lighting systems are failing and cannot be replaced with like components.

Corrective Action:

Compensatory measures are in place (e.g., employees carrying flashlights). A ROM estimate has been developed for system replacement.

Status:

Received RL authorization to proceed (change order) and initiated purchase of fixtures, lights, Uninterrupted Power Supply, etc.

Issue:

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

Corrective Action:

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

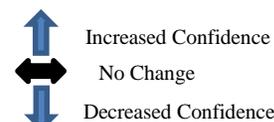
Status:

Awaiting authorization from RL to proceed.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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



*Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-013/WBS-013																					
Explanation of major changes to the project monthly spotlight chart: No major impacts to the risk profile in the month of June.																					
Realized Risks (Risks that are currently impacting project cost/schedule)																					
WSD-125: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	A pause in waste processing results in an unexpected container degradation within SWOC (excluding TRU Retrieval activities) and require additional resources to respond. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 0 day		Risk Event: In November 2011, degraded containers were discovered in CWC.	<table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform daily/weekly waste container surveillances to identify container abnormalities.</td> <td rowspan="4" style="text-align: center;">10/01/11</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Overpack degraded waste packages.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Process waste packages at a rate funded by DOE.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Perform daily/weekly waste container surveillances to identify container abnormalities.	10/01/11	On-Going	N/A	Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.	On-Going	N/A	Overpack degraded waste packages.	On-Going	N/A	Process waste packages at a rate funded by DOE.	On-Going	N/A
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Process waste packages at a rate funded by DOE.		On-Going	N/A																		
Recovery Action Assessment: Project continued to perform daily/weekly container surveillances in the month of May to identify container abnormalities. In addition, a NTE of \$400K will be authorized to overpack an additional 9 m ³ box in FY2015. No foreseeable impacts in the near future. However; a watch-list of suspect containers is being managed. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.																					
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																					
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																					

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-013/WBS-013													
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$10M, 0 day	●	↔	Risk Trigger Metric: Will continue throughout contract (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A	Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A
				Mitigation action(s)	FC Date	%							
Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A											
Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A											
Mitigation Assessment: No changes in the month of June . No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
Lifecycle Risk Triggers (Risk could be realized at any point of the project)													
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$48M, 0 day	●	↔	Risk Trigger: Will continue throughout project lifecycle (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A			
				Opportunity action(s)	FC Date	%							
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A											
Opportunity Assessment: No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time. However, emerging issues continue to place pressure on ability to achieve planned efficiencies.													
Unassigned Risks (Pending ownership of identified risks/opportunities)													
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.													
WSD-TR-01: DOE Provided Drivers Not Available	Scheduling issues prevent the government provided Drivers from being assigned/available to make off-site waste shipments. CHPRC Comment: This a government furnished service and is outside of CHPRC control.												
WSD-TR-02: DOE Shipper Does Not Authorize Shipment	Technical issues associated with compliance to DOE M 460.2-1 prevent DOE from approving/authorizing the off-site shipment. CHPRC Comment: This a government furnished service and is outside of CHPRC control.												
WSD-003A: CH-TRU Packaging	Two risks exist relative to CH-TRU waste packaging. The first risk is that WIPP changes the packaging requirements for CH-TRU. The second risk is associated with the lack of WIPP-certified packaging for those CH-TRU wastes that are unsuitable for the TRUPACT. CHPRC Comment: WIPP WAC is not under CHPRC control; TRUPACT is a GFSI.												
WSD-009: EBR-II Cask Retrieval	DOE directs retrieval of EBR-II cask as part of TRU retrieval. Availability of offsite storage/disposition for the casks as well as changes in the SAS requirements are outside of CHPRC control.												
WSD-016: Safeguards & Security Changes	The risk is that safeguards and security requirement changes result in increased protection of wastes managed by WSD. CHPRC Comment: Requirements changes dictated by DOE, or regulators are outside CHPRC control.												
WSD-022: IDF Startup	The risk is that the IDF does not startup as scheduled or that the startup requirements are more stringent than planned in the baseline. CHPRC Comment: Change in planning assumptions are outside CHPRC control.												
WSD-023: ERDF Transition to CHPRC	The Environmental Restoration Disposal Facility (ERDF) transition does not proceed as planned. CHPRC Comment: The ERDF was not transferred to CHPRC as planned. When transferred, it is virtually certain that the baseline plan for full cost recovery will not be viable and that a change to the CHPRC will be required.												
WSD-026: Cs/Sr Capsule Design Uncertainties	The scope and design of the project to place Cs/Sr capsules into dry storage may change. CHPRC Comment: Change in planning assumptions are outside CHPRC control.												
WSD-033: WIPP Acceptance of Dose to Curie Calculations	TRU waste volume increases due to dose to curie requirements. CHPRC Comment: Planning based upon projected contaminant levels based upon historic records; pre-existing condition.												

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-034: Safeguards Required for Caisson Waste	Wastes retrieved from 200 Area caissons are subject to material protection requirements (Safeguards & Security). <u>CHPRC Comment:</u> SAS requirements are outside CHPRC control.			
WSD-041: Stakeholder Involvement in Cs/Sr Capsules	Stakeholder involvement in the strategies to place Cs/Sr capsules into dry storage impact planned approach or schedule. <u>CHPRC Comment:</u> CHPRC cannot control stakeholder involvement or changes resulting from that involvement.			
WSD-045: Waste Facilities RCRA Permit Changes	RCRA final status permit conditions are more stringent than the interim status permit requirements, resulting in increased operating costs or facility modifications. <u>CHPRC Comment:</u> Requirements changes dictated by DOE, or regulators are outside CHPRC control.			
WSD-051: Standard Waste Box Availability	Standard Waste Boxes (SWB's) are not available to meet TRU waste packaging schedule. <u>CHPRC Comment:</u> This a government furnished service and is outside of CHPRC control.			
WSD-055: RH-TRU Packaging to <100 R/Hr	Selected RH-TRU waste cannot be packaged to meet the WIPP waste acceptance criteria of less than 100 R/Hr. <u>CHPRC Comment:</u> Pre-existing condition; major scope change.			
WSD-058: Receipt of 618-10/618-11 RH-TRU from WCH	RH-TRU waste retrieved by WCH from 618-10 and 618-11 burial grounds is shipped to CHPRC in a form that is either non-certified or non-certifiable. <u>CHPRC Comment:</u> Direction from RL to receive non-certified waste would be a major scope change.			
WSD-059: Uncertified or Uncertifiable CH-TRU from Generators	Uncertified or un-certifiable TRU waste is received from generators. <u>CHPRC Comment:</u> Direction from RL to receive non-certified waste would be a major scope change.			
WSD-061: Spent Fuel in Alpha Caissons	Some alpha caisson waste is determined to be spent nuclear fuel rather than TRU waste. <u>CHPRC Comment:</u> Pre-existing condition.			
WSD-064: TRU Waste Shipments to WIPP	TRU shipments to WIPP do not occur as scheduled. <u>CHPRC Comment:</u> This a government furnished service and WIPP shipping schedules are outside of CHPRC control.			
WSD-067B: Alpha Caissons Regulatory Approvals - unassigned risk	Alpha caisson retrieval and processing is impacted by delayed or revised regulatory documentation and approvals. <u>CHPRC Comment:</u> CHPRC cannot control regulator turnaround times.			
WSD-076: Classified TRU Waste Disposition	WIPP or alternate disposition path not available for classified TRU waste. <u>CHPRC Comment:</u> WIPP acceptance requirements are outside of CHPRC control; pre-existing condition.			
WSD-080: More Restrictive DSA Requirements Imposed at WRAP	RL imposes more restrictive DSA requirements on WRAP. <u>CHPRC Comment:</u> Requirements changes are outside of CHPRC control.			
WSD-083: TRU Retrieval Impacted by Non-CHPRC Issues	TRU retrieval is impacted by issues not controlled by CHPRC. <u>CHPRC Comment:</u> Requirements changes are outside of CHPRC control.			
WSD-088: Accelerated Start of IDF to Support Low Activity Waste Disposal	The IDF will accept waste from both RL and ORP managed contractors. The current baseline plan for initiating disposal operations at the Integrated Disposal Facility (IDF) is FY2018. ORP schedule changes could, however, require the operational readiness to be accelerated to FY2016. <u>CHPRC Comment:</u> Accelerated schedule outside of CHPRC control.			
WSD-090: IDF Startup Impacted by Modeling Prohibition	Modeling to support IDF disposal analyses cannot be performed due to delayed issuance of Final EIS ROD. <u>CHPRC Comment:</u> EIS ROD is outside of CHPRC control.			
WSD-092: IDF Capacity Increase Required for Offsite Waste	Current TPA agreements have led to a prohibition of offsite waste acceptance until at least 2022. Long-term offsite waste acceptance strategies could impact the overall capacity requirements for IDF and result in the need to modify the IDF permit to reflect the other waste streams and planned capacity. <u>CHPRC Comment:</u> No offsite wastes accepted in IDF until at least 2022.			
WSD-096: WIPP Does Not Accept Overpacked Containers in SWBs	Compliant retrieved TRU waste 55 gallon drums over-packed into SWBs are rejected by CBFO as non-compliant waste packages. <u>CHPRC Comment:</u> WIPP acceptance requirements are outside of CHPRC control.			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-128:DOE Rescinds Previously Authorized Safety Analysis	DOE Rescinds previously agreed upon approvals and waivers associated with open face trench processing for TRU Retrieval. Consequences would be time delays to revise safety basis documents and potentially, an additional training and readiness requirements. <i>CHPRC Comment:</i> Requirements changes are outside of CHPRC control.			
WSD-129: TRUPACT-III Not Available	Recently, the TRUPACT-III was certified by the NRC for use. However, the TRUPACT-III is still experiencing technical and fabrication difficulties. The TRUPACT-III was placed in service and made 1 shipment from SRS to WIPP. However, during fabrication, a drawing error led to a fabrication error. This has taken the TRUPACT-III out of service for a considerable time (3-6 months). This outage required SRS to size reduce and repackage waste from SLB-II into Standard Waste boxes. The probability is low that these types of problems will continue. The assumption is that these containers will remain a viable option for shipping waste from Hanford in 2017. <i>CHPRC Comment:</i> This a government furnished service and is outside of CHPRC control.			
WSD-130: Retrieval of Pockets of TRU Waste Results in Significant Volumes of Low-Level Waste	The pockets of TRU waste that was not segregated from MLLW when it was placed in the burial grounds will require removal of the intermingled MLLW in order to demonstrate that the targeted TRU Waste Containers has been retrieved. The baseline assumes retrieval of 69 containers from 8 trenches. This retrieval will result in an additional 6800 containers that would need to be handled. A query of the SWITS database indicates that there are about 6800 containers (approximately 1400 m ³) of MLLW that would need to be retrieved. The risk is these 6800 additional containers will need to be processed as newly-generated waste and treated to meet LDR standards prior to re-disposal. This processing is not in the baseline. <i>CHPRC Comment:</i> Pre-existing condition.			
RCRA-033: RCRA Permit Alters Transfer and Treatment Processes for RSW	The implementation of the Final Status RCRA Permit and associated conditions may change the planned transfers, production throughput and production capabilities assumed within the contract for Retrievably Stored Waste (i.e., RSW and other waste in storage for extended periods accepted under previous waste acceptance programs). This may impact the ability to transfer waste to and within SWOC facilities and impact production rates associated with planned production or capabilities within the various facilities. <i>CHPRC Comment:</i> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not in the PRC are outside of CHPRC control.			
RCRA-034: Verification of AK For Retrievably Stored Waste	The waste in storage and retrievably stored waste (RSW) will require verification under the RCRA Permit. The Acceptable Knowledge (AK) development process is considered insufficient by Ecology under the permit conditions. All RSW will require verification of absence of free liquids and debris determination. This change may require the waste to undergo nondestructive examination or physical verification/characterization. <i>CHPRC Comment:</i> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.			
RCRA-036: Risk Budget Tool Implementation	The Final Status RCRA Permit contains permit condition that impose the Risk Budget Tool upon 3 facilities: the Low-Level Burial Grounds (LLBG) Trenches 31/34, LLBG Trench 94, and the Integrated Disposal Facility (IDF). This expands the current RCRA permit requirements of only applying the Risk Budget Tool to IDF. The Risk Budget Tool, is a concept that does not exist in regulation, and was coined when IDF was incorporated into the current permit to be a companion to the DOE Order 435.1 Performance Assessment process that would predict whether waste disposed in a landfill would be modeled to impact groundwater. <i>CHPRC Comment:</i> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.			

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	7.8	6.4	5.9	(-1.4)	-18.2%	0.5	8.1%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$1.4M/-18.2%)

The current month unfavorable schedule variance is due to the deferral of shipment TC128 to PFNW in order to accommodate higher priority PFP shipments and remain within the commercial repack facility's license limits. In addition, Agreed Order activities including box cover replacements, have been moved



to August/September due reduced number of cover failures and lack of available crane and rigging resources. In addition, roof repairs have been delayed to allow for the inclusion of a pilot program for long term coating application versus the current requirements for frequent repairs.

CM Cost Performance (+\$0.5M/+8.1%)

The current period favorable cost variance is due to the continued implementation of planned efficiencies, partially offset by additional CHPRC and design contract resources necessary to resolve extensive comment resolution and incorporation for the WESF Ventilation and Stabilization final design.

**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	953.8	953.3	903.2	(-0.5)	-0.1%	50.1	5.3%	1,363.2	1,293.1	70.4

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (-\$0.5M/-0.1%)

The schedule variance is within threshold.

CTD Cost Performance (+\$50.1M/+5.3%)

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

Variance at Completion (+\$70.4M/+5.1%)

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

Contract Performance Report Formats are provided in Appendix A.

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

WBS 013/RL-0013 Waste and Fuels Management Project	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	93.4	92.8	0.7

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 projected funding for PBS RL-0013 is changed from \$101.5 million to \$93.4 million due to a reallocation of funds across the PBSs to support RL authorized Buy Back scope. The FY2015 Spending Forecast change from the prior month from \$91.7 million to \$92.8 million due to deferral of the ERDF Transfer line construction pending EPA approval of the Explanation of Significant Differences offset by the addition of DOE Authorized Buy Back work scope.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-15-014R0 – *T Plant Cell Cleanout Detailed Planning*

BCR-PRC-15-039R0 – *Definitization of CO #248, Implement DOE-0342, Rev. 2A, CBDPP Revision*

BCR-PRC-15-041R0 – *WBS Dictionary Updates 91, 98, 99 Series*

BCR-PRC-15-043R0 – *Undistributed Budget Adjustments June 2015*

BCR-PRC-15-045R0 – *TSD Closure Activities*

BCR-PRC-15-044R0 – *HPIC Updates June 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-031	Submit revision of TRUM Waste and MLLW PMP to Ecology	6/30/15	6/16/15	6/30/15	Completed
M-091-44Z-006	Annual PMM or Quarterly Notification of Cert of CH/RH TRUM	12/31/15		12/31/15	

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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

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

June 2015
CHPRC-2015-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued making progress on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)* remedial process documentation for the River Corridor and Central Plateau. Groundwater treatment and well drilling completed in June 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	31.3	274.0	5.9	70.7	-	-	-	-	-	-
HX P&T	21.0	223.7	1.9	17.0	-	-	-	-	-	-
KR-4 P&T	14.5	127.6	0.3	3.3	-	-	-	-	-	-
KW P&T	14.3	127.2	1.4	20.4	-	-	-	-	-	-
KX P&T	35.3	297.5	2.2	22.7	-	-	-	-	-	-
200 West P&T	83.8	736.1	7.6	60.0	224	2,189	6,6656	53,654	.12x10 ¹²	1.1x10 ¹²
Combined	200.2	1,786.2	19.4	194.0	224	2,189	6,656	53,654	.12x10¹²	1.1x10¹²

Well Drilling by Area	FY2015 Planned	June	FY2015 Cumulative
100-KR-4	5	-	5
100-HR-3	12	2	11
NRDWL/SWL	4	-	-
200-UP-1	5	-	2
200-ZP-1	7	1	3
M-24	19	3	11
300-FF-5	34	-	3
DVZ URG TT	6	-	-
Total Wells	92	6	35

EMS Objectives and Target Status

Objective	Target	Actions	Due Date	Status	Overall Target Status
15-EMS-SGWR-OB1 Reduce toxic air emissions at the 200 West P&T Facility	T1 – Implement one measure to reduce toxic air emissions (namely carbon tetrachloride) at the 200 West P&T Facility	Apply heat tracing and insulation to reduce condensation in the GAC containers during the colder months.	12/31/14	100%	86%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	72%	
15-SGWR-EMS-OB2 More effective promotion of EMS	T1 – Promote and increase S&GRP project personnel EMS awareness via various means throughout FY2015.	Present at least five EMS topics to S&GRP personnel on a minimum of five different occasions.	9/30/15	80%	90%
		Provide a discussion of at least five different EMS topics to be communicated to S&GRP personnel through the “S&GRP Daily Communications.”	9/30/15	100%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/S&GRP meetings).	Discuss EMS topics with drilling subcontractor personnel, on a minimum of five different occasions with different topics at each session.	9/30/15	40%	40%
14-SGWR-EMS-OB3 Increased awareness of Universal Waste requirements	T1 – Promote and increase S&GRP project personnel awareness of Universal Waste requirements via direct communication with S&GRP personnel throughout FY2015.	On a quarterly basis provide focused universal waste training sessions.	9/30/15	50%	75%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	100%	

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	1	2	6/8/2015 – Employee’s thumb was fractured after being pinched between two segments of well casing. The employee was taken to HPMC and later sent to Kadlec ER for further evaluation. (23700)
First Aid Cases	4	33*	<p>6/9/2015 – Employee slipped off the end of the last step and rolled ankle slightly. The individual experienced some soreness/discomfort. The incident was discussed with management and the decision was made to initially self-treat. The ankle discomfort did not improve and the employee was sent to HPMC the next morning. (23702)</p> <p>6/11/2015 - Employee reported rash on arm and leg and overall "itchiness". Manager transported employee to the 200W first aid station. Individual was given non-prescription medication and returned to work with no restrictions. (23704)</p> <p>6/16/2015 – Employee was working outdoors when started to feel light headed. The employee was directed to cool down in the truck and drink fluids. The individual went to HPMC to be evaluated and was released to work with no restrictions. (23708) PTS</p> <p>6/22/2015 – While descending scaffold ladder, employee stepped off the bottom rung, and tailbone contacted metal stanchion, someone had moved while employee was on ladder. The employee was taken to HPMC and released to work with restrictions. (23711) PTS</p> <p>*5 FA cases, PTS in support of RL-0030.</p>
Near-Misses	0	2	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations

RL 30 Integration & Assessments

Risk Assessment and Modeling Integration

- Met with RL, Ecology, and EPA to discuss Inner Area parameters on June 4, 2015. Provided a briefing on plans for cumulative evaluation development, Hanford Soil Inventory Model (SIM) upgrade, and groundwater modeling for 200-BP-5 and 200-PO-1 remedial investigations and feasibility studies.
- Received buy-back authorization for Composite Analysis and Cumulative Impacts Evaluation preparation and initiated work packages with detailed task instructions for subcontracted work to be performed. The contract release was completed.

River Corridor

100-HR-3 Operable Unit

- Completed construction on two more wells for current total of 11 of the 12 planned 100-HR-3 wells being installed for the FY2015 P&T optimization effort.
- Initiated resolution of Ecology comments on the Interim Remedial Design/Remedial Action Work Plan (RD/RAWP), Sampling Analysis Plan (SAP), and Operations and Maintenance (O&M) Plan.

100-FR-3 Operable Unit

- Completed resolution of EPA comments on the Draft A RDR/RAWP; preparation of the Draft Rev 0 is underway.

100-BC-5 Operable Unit

- Submitted Draft Rev 2 SAP to RL for review. This SAP includes groundwater monitoring between completion of the remedial investigation and Record of Decision (ROD) implementation.

100-NR-2 Operable Unit

- Incorporated RL comments on the 1301 and 1325 TSD summary reports and re-issued to RL for transmittal to Ecology.
- Continued with comment resolution on the Draft A RI, primarily associated with the human health risk assessment (Chapter 6) and ecological risk assessment (Chapter 7). Progress was made resolving the 104 new risk assessment comments associated with the additional waste sites recently incorporated into the remedial investigation/feasibility study (RI/FS).

300-FF-5 Operable Unit

- Submitted the signed Rev 0 RDR/RAWP and Groundwater Addendum to RL on June 22, 2015.
- Submitted the Draft A Remedy Implementation SAP to RL for subsequent submittal to EPA for review. This SAP was transmitted to the EPA on June 16, 2015, completing TPA Target M-016-110-T05.
- Completed well construction on six aquifer and six Periodically Rewetted Zone monitoring wells for implementation of the uranium sequestration remedy.

Central Plateau

200-IS-1 Operable Unit

- Supported RL during the June 4, 2015, TSD definition meeting with the RL legal, RL project managers, Washington State Office of the Attorney General, and local Ecology project manager and staff.

200-SW-2 Operable Unit

- Continued resolution of Ecology comments on the Draft B RFI/CMS/RI/FS work plan. Approximately half of the 75 comments have been resolved.

200-BP-5 Operable Unit

- Completed approximately 14,000 ft. (20,000 ft. total) of the 200-BP-5 dual-walled HDPE pipeline welding.
- Transmitted the Draft A 200-BP-5 EE/CA to RL, which was subsequently transmitted to the regulators for review on June 11, 2015.

200-UP-1 Operable Unit

- Transmitted the Draft A 200-UP-1 Performance Monitoring Plan to RL, which was subsequently transmitted to EPA for review on June 22, 2015.

200-PW-1/3/6 & 200-CW-5 RDR/RAWP

- Submitted the Decisional Draft RDR/RAWP to RL for review on June 4, 2015.

207-A South Retention Basin Closure Plan

- Transmitted the Rev 1, 207-A South Retention Basin Closure Plan to RL on June 22, 2015.

200-DV-1 Operable Unit

- Received Ecology comments June 24, 2015, on the RI/FS work plan and initiated comment resolution.
- Transmitted the Draft A RAWP and SAP for the Perched Water Removal Action to RL on June 25, 2015.

200 West P&T

- Achieved an average pumping rate of approximately 1,940 gpm for June.
- Maintained effluent concentrations below cleanup levels specified in ROD.
- Completed construction of injection well YJ16 (699-38-64) in June. Connections and operational testing still need to be completed.

100 Area P&Ts

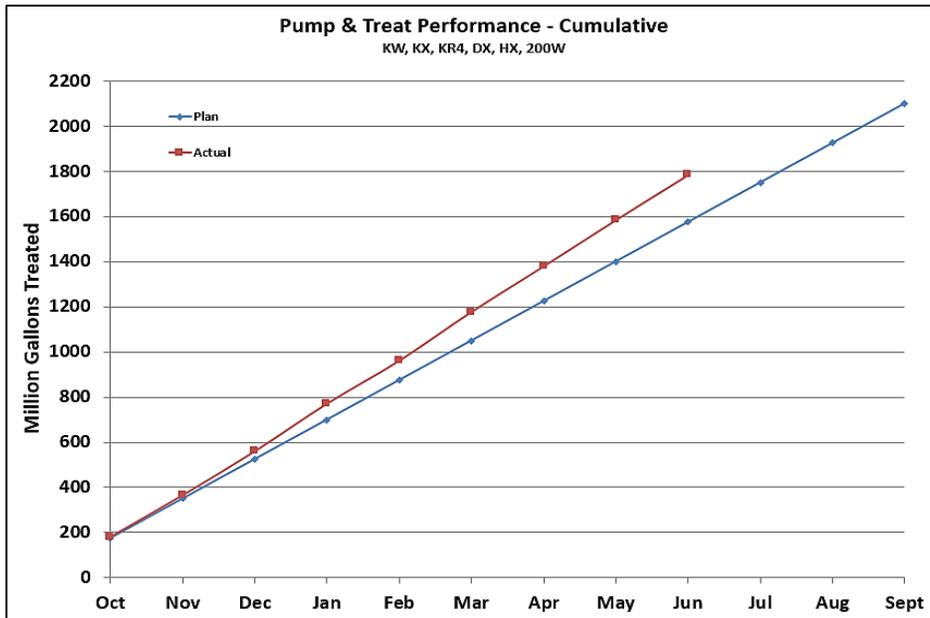
- Continued to operate KW P&T above 320 gpm, which exceeds the original design capacity of 200 gpm.
- Operated the KX P&T above 800 gpm, which exceeds the original design capacity of 600 gpm.
- Continued to operate the KR-4 P&T above 330 gpm, which exceeds original design capacity of 300 gpm.
- Operated the DX P&T above 700 gpm, which exceeds the original design capacity of 600 gpm.
- Continuing HX P&T operations while executing construction activities associated with the P&T optimization plan.

Perched Water (200-DV-1)

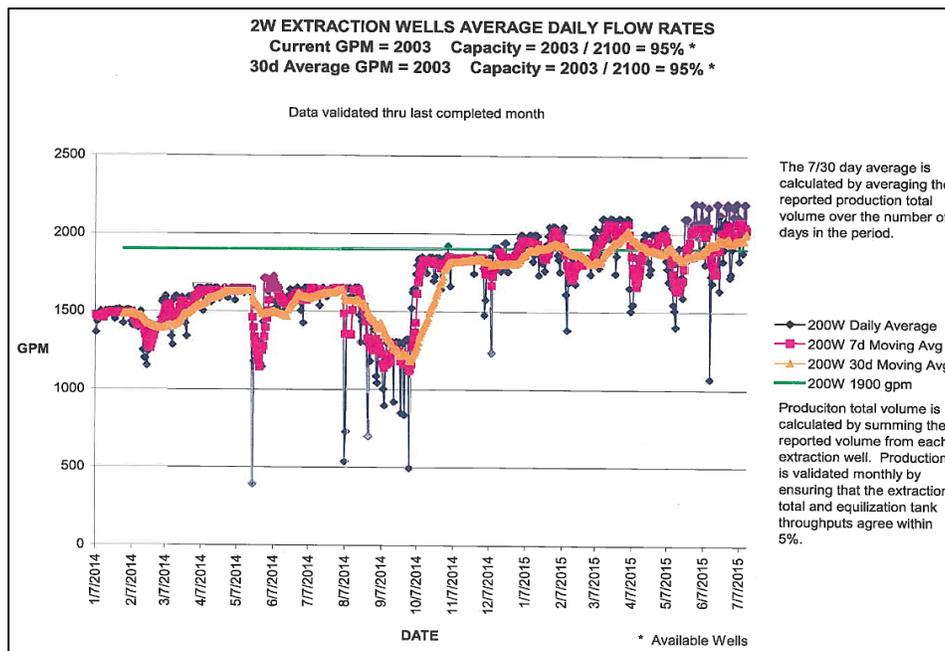
- The B Area perched water extraction system removed 6,293 gallons in June to bring the total volume of perched water removed to 290,106 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of June:

Contaminant	June	Cumulative (since startup)
Tc-99	0.84 E-03 Ci	34.74 E-03 Ci
Uranium	1.8 kg	65.2 kg
Nitrates	12.9 kg	556.1 kg
Previous month's data has been updated per May 20, 2015, sampling event.		

FY2015 P&T Operations



200 West Pump-and-Treat



MAJOR ISSUES

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

Corrective Action – Develop and implement an approach for preparing the CRRs and conducting the associated Memorandum of Agreement (MOA) workshops to allow more rapid completion of the MOA process so field work can be performed within the TCP. However, with the RL prioritization of CRRs, it is most likely this work will be completed in FY2016.

Status – Progress has been made between RL and the Tribes in developing the MOAs for both projects (complete with mitigation actions) to draft final status. The draft final versions have been sent to RL for final review and subsequent transmittal to the Tribes, State Historic Preservation Office (SHPO) and the Advisory Council on Historic Preservation.

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

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

Status – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. RL and CHPRC continued to work with the regulatory agencies at the project level. Meetings continue between RL and Ecology legal to resolve long-standing issues with 200-IS-1 RI/FS Work Plan.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

- Increased Confidence
 - No Change
 - Decreased Confidence
- *Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-030/WBS-030													
Explanation of major changes to the project monthly spotlight chart:													
In the month of June two realized risks (SGW-008, and SGW-004) were moved to unassigned risks as they are outside of CHPRC's control to manage.													
Realized Risks (Risks that are currently impacting project cost/schedule)													
SGW-008: Regulatory Documents Result in Significant Comments from Regulators	Significant comments from the regulators or RL on documents submitted for approval (SAPs, RI/FS Work Plans, Proposed Plans, permits) could result in increased schedule and labor requirements. If the comments require additional characterization data, schedule impacts and increased costs could also be incurred to collect the characterization data. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 500 days	↑		In the month of June risk SGW-008 was closed, and moved to unassigned risk SGW-045, Regulator Comments Change Requirements since to the regulatory decision documents through Draft A are based upon established regulatory requirements and RL's direction. However, these requirements may be modified by DOE during negotiations with EPA and Ecology to finalize the decision documents. These decisions and subsequent impacts are outside CHPRC's control. This risk will continue to be reported under assigned risk SGW-045.									
SGW-004: Cultural Resource Reviews	Cultural and ecological resource reviews impact start of well drilling, well decommissioning, well realignment, or remediation system construction and realignment. However, results and significant delays for historical and archeological reviews may be beyond the scope of CHPRC risk. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$150K, 198 days	↔		In the month of June risk SGW-004 was closed due to the cultural review process is a service provided by MSA, and is outside of CHPRC's control to manage. This risk will no longer be reported; However discussions with DOE-RL pending disposition of unassigned risk PRC-062, Cultural Resource Review Impacts, will continue.									
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction	Reduction in field sampling (locations, frequency, or total number of samples collected) has the opportunity to reduce cost. Risk Handling Strategy: Exploit Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 0 day	↔	↔	Opportunity Event: The <i>Optimization Plan to Revise the Groundwater Sampling Plan</i> is final and provides the roadmap to revise all groundwater SAPs over the next two years. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="font-size: 8px;">Opportunity action(s)</th> <th style="font-size: 8px;">FC Date</th> <th style="font-size: 8px;">%</th> </tr> </thead> <tbody> <tr> <td style="font-size: 8px;">Develop schedule for completing DOE-RL Panel Review on the SAPs.</td> <td style="font-size: 8px;">Complete</td> <td style="font-size: 8px;">100</td> </tr> <tr> <td style="font-size: 8px;">Obtain DOE-RL approval of the revised SAP.</td> <td style="font-size: 8px;">11/30/15</td> <td style="font-size: 8px;">58</td> </tr> </tbody> </table> Opportunity Assessment: All CERCLA SAPs have completed review by the DOE-RL Panel Review, with the revised SAPs on schedule to be completed this FY. An approach has been developed to revise the RCRA groundwater monitoring plans and is being implemented with the support of DOE-RL and Ecology. The current schedule has the RCRA groundwater monitoring plans being completed in FY 2015. An approach has been developed for completion of the AEA groundwater monitoring SAP based on current DOE guidance documents. No foreseeable impacts to implement this opportunity in the near future, and no alternative course of actions needed at this time.	Opportunity action(s)	FC Date	%	Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100	Obtain DOE-RL approval of the revised SAP.	11/30/15	58
Opportunity action(s)	FC Date	%											
Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100											
Obtain DOE-RL approval of the revised SAP.	11/30/15	58											

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
RL-030/WBS-030																			
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																			
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																			
SGW-UP1-10: 200-UP1 Uranium/Iodine 129 Expansion Remedy Startup	The 200 West P&T bioremediation system does not operate as expected, requiring increased engineering, startup, operational test and operational procedure change support. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$750K, 40 days			In the month of June risk was updated to reflect qualitative threat value matrix. This update identified the risk value was incorrectly identified as a "Key Project Risk." This risk will no longer be reported on, but tracked internal to the project until completion of the 200-UP-1 work scope.															
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																			
No high threat value risks identified in the month of June .																			
Unassigned Risks (Pending ownership of identified risks/opportunities)																			
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																			
SGW-002:RL or Regulator Personnel Changes	Regulatory interpretations, agreements, and strategies are developed and worked through assigned DOE-RL, EPA, and Ecology staff. A change to the personnel assignments in any of the three agencies could require the interpretations, agreements, or strategies to be revisited or modified with corresponding delays to planned soil and groundwater remediation actions. <u>CHPRC Comment:</u> DOE-RL, EPA, and Ecology staffing and project assignment are outside CHPRC's control.																		
SGW-045:Regulator Comments Change Requirements	Risk Event: Progress on several key decision documents have been delayed due to regulator comments and resource availability: <ul style="list-style-type: none"> The draft Rev 0 100-D/H PP was provided to Ecology in September 2014 for legal review. EPA's Remedy Review Board (RRB) then began on January 26, 2015, whose comments were received by CHPRC on April 30, 2015. Additional technical reviews by Ecology have been completed. Ecology's legal review began June 9, 2015, and is scheduled for 30 calendar days. Following Ecology's legal review, the PP will be reviewed by EPA's legal. These sequential reviews will impact the schedule by eight months to a year. The Draft A 100-N RI/FS and Proposed Plan were provided to Ecology on June 24, 2013, completing Milestone M-015-75. Comments were received on October 2, 2013. Comment resolution has continued, which includes weekly meetings to resolve comments chapter by chapter and preparation of several technical position papers. The team has progressed up to Chapter 8. However, Ecology submitted 104 additional comments on the revised Chapter 6, "Risk Assessment", on May 21, 2015. This chapter had a major revision based on adding 92 new waste sites to the RI/FS. 200-IS-1 RI/FS Work Plan: DOE invoked dispute resolution on December 10, 2013 for TPA milestone M-015-112, Submit Draft B 200-IS-1 OU RI/FS WP. Resolution of this dispute, which includes the 200-IS-1 OU waste sites and TSD/past practice status, is required before the Draft B RI/FS WP can be submitted. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Resolution with Ecology on Draft Rev.0 100-D/H PP.</td> <td rowspan="2" style="text-align: center;">04/30/15</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Resolution with Ecology on Draft A 100-N RI/FS Report.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">79</td> </tr> <tr> <td>Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.</td> <td></td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> Recovery Action Assessment: <ul style="list-style-type: none"> 100-D/H PP: DOE-RL verified with Ecology that legal review was initiated June 9, 2015, with a scheduled duration of 30 calendar days. 100-N RI/FS: Comment resolution with Ecology on the Draft A 100-N RI/FS Report has progressed through most of the RI (Chapter 6 was discussed in June) and we have progressed work on Chapter 8 of the FS to about 60 percent complete. All but two of the four technical position papers (five separate papers on five topics) that were submitted to Ecology in March 2014 to resolve significant comments on the FS have now been reviewed (phyto-remediation and surface barrier have not been discussed). A revised project delivery schedule was created using the extension from Ecology to September 30, 2015, as the basis to complete comment resolution and that schedule has been released to DOE-RL. The revised schedule calls for the RI/FS to be complete on September 30, 2015. No alternative course of actions needed at this time. 200-IS-1 RI/FS WP: Ecology is unwilling to sign TPA change packages C-13-01 and C-14-02 until all TSDs are clearly identified. These change packages add 233 waste sites into 200 IS-1 Appendix C. Ecology shared their TSD/past practice resolution proposal on April 22, 2015. Additional discussions focused on tanks with liquids remaining following the August 1987 date are necessary with Ecology and DOE-RL legal counsels. This meeting was planned for May 21, 2015; it has since been moved to June 4, 2015, due to Ecology's legal counsel availability and staffing changes. Due to this change, the dispute resolution was extended to September 30, 2015). The CHPRC project team continues Work Plan preparation efforts based on the scope identified in the two draft change packages (FES Activity 30.31.3.7.DR). 	Risk recovery action(s)	Risk Date	FC Date	%	Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50	Resolution with Ecology on Draft A 100-N RI/FS Report.	09/30/15	79	Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.		09/30/15	50			
Risk recovery action(s)	Risk Date	FC Date	%																
Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50																
Resolution with Ecology on Draft A 100-N RI/FS Report.		09/30/15	79																
Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.		09/30/15	50																
SGW-099:ERDF Impacts on 200 West P&T Waste Disposition	ERDF cannot accept waste products from 200 West P&T or River Corridor P&T facilities due to disposal criteria. <u>CHPRC Comment:</u> DOE-HQ is the only party that can approve a new rad disposal path.																		

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	12.4	11.8	11.5	(0.5)	-4.2%	0.3	2.9%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Performance (-\$0.5M/-4.2%)

Variance is within reporting thresholds.

CM Cost Performance (+\$0.3M/+2.9%)

Variance is within reporting thresholds.

Contract-to-Date

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	1,112.5	1,107.2	1,089.1	(5.3)	-0.5%	18.2	1.6%	1,546.5	1,501.8	44.7

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Performance (-\$5.3M/-0.5%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$18.2M/+1.6%)

Variance is within reporting thresholds.

Variance at Completion (+\$44.7/+2.9%)

Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	138.5	135.5	3.0

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0030 changed in June from \$137.5 million to \$138.5 million per revised guidance from RL. The overall increase of \$1.0 million was made to support a re-rack in support of the buy back list, with an offset to support an IWO with National Security Technologies to perform an aerial radiological survey over the East-West Areas of the Hanford Nuclear Reservation. The Spend Forecast for June changed from \$135.9 million to \$135.5 million.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-018R0 - *Finalize Micro-Purge Low-Flow Sampling Evaluation*

BCR-030-15-019R0 - *Revision to Cumulative Impact Analysis Method of Performance*

BCR-030-15-020R0 - *PBS RL-030 Schedule Health Updates – June 2015*

BCR-PRC-15-039R0, *Definitization of CO #248, Implement DOE-0342, Rev 2A, CBDPP Revision*

BCR-PRC-15-041R0, *WBS Dictionary Update 91, 98, 99 Series*

BCR-PRC-15-043R0, *Undistributed Budget Adjustments - June 2015*

FY2015 Management Reserve (Funded): \$1.75 million

No FY2015 Management Reserve was used during June. \$832K remains in FY2015 Management Reserve.

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) 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. TPA Milestone M-015, M-016, M-037 and M-085 series are in negotiation. Negotiations have been extended to July 29, 2015. 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-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15	5/28/15		Complete

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		TBD	Dispute resolution was extended to September 30, 2015. Awaiting Ecology review of two change packages associated with scope (impacted by requirement to identify TSDs).
M-016-110-T05	Implement System to Meet Drinking Water Stds. for U at 300-FF-5 OU	TPA	12/31/15	6/16/15		Complete
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15		6/28/16	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		5/13/20	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-92A is to be missed.
M-024-66-T01	Conclude Discussions of Well Commitments	TPA	8/1/15		8/1/15	On schedule
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15		9/15/15	On schedule
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-110B is to be missed.
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/14/15	On schedule
M-016-190	Complete installation of extraction and injection wells for U Plant area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	9/30/15		9/30/15	At risk. Difficult drilling conditions have been encountered at first location.
M-085-02	Submit a change package to establish a schedule for submittal of the RI/FS Work Plans for the 200-CB-1, 200-CP-1, and 200-CR-1 Operable Units and a schedule for submittal of the Removal	TPA	9/30/15		9/30/15	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
	Action Work Plans for 224B and 224T Plutonium Concentration Facilities					
M-015-38B	Submit Revised FS Report and PP for CW-1, CW-3, & OA-1 to EPA	TPA	10/30/15		10/30/15	On schedule. The milestone was changed to require a schedule for completing the revised FS report and PP for CW-1, CW-3, & OA-1 to EPA
M-091-40L-048	Submit July to Sept. 4th Quarter FY2015 Burial Ground Sample Results.	TPA	12/15/15		12/15/15	On schedule
M-015-91B	Submit FS Report and PP for 200-WA-1 to EPA	TPA	12/31/15		3/27/18	To be missed. The scope was not funded in FY2014 or FY2015, nor has the RI/FS work plan been approved. The milestone date will be revised based on the issuance of the Rev 0 work plan. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-91B is to be missed.
M-024-66	DOE shall complete the construction of all wells listed for CY2015	TPA	12/31/15		7/29/15	Ahead of schedule
M-015-78	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/16		2/24/16	On schedule
M-091-40L-049	Submit Oct. to Dec. 1st Quarter FY2016 Burial Ground Sample Results.	TPA	3/15/16		3/15/16	On schedule
M-016-191	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plan area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	3/30/16		3/30/16	On schedule
M-024-58I	Initiate Discussions of Well Commitments	TPA	6/1/16		6/1/16	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-050	Submit Jan to March 2nd Quarter FY2016 Burial Ground Sample Results.	TPA	6/15/16		6/15/16	On schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

June 2015
CHPRC-2015-06, 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 and conducted radiological facility surveillances and preventive maintenance (PM) activities. The project completed updates to the Document Safety Analysis of two PFP facilities scheduled to transfer to RL-40 in 2016 (231-A-361 and 216-A-9). In addition, the project completed ground scans and developed the 207A South Retention Basin Closure Environmental Restoration Disposal Facility (ERDF) queue, in preparation for field work expected to be initiated in July 2015.

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	6	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Operations/Maintenance
 - o Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
 - o Completed surveillance of inactive WIDS sites
 - o Supported external Environmental Management System (EMS) assessment
 - o Completed B Plant Surveillance fieldwork
 - o Supported well drilling operations at B Plant
 - o Performed 221-BK calibrations: Stack Flow Transmitter, Act 1 and 2 high-efficiency particle absorber (HEPA) filter, and Temperature Indication
- Completed:
 - o 78 radiological facility surveillances
 - o 30 preventive maintenance (PM) activities
- Nuclear Safety:
 - o Revised Plutonium Finishing Plant (PFP) 241-Z-361 Tank Documented Safety Analysis (DSA) and Technical Safety Requirement (TSR) and initiated internal review in preparation for transfer from PFP

- o Completed 216-Z-9 Hazards Analysis draft and initiated internal review in preparation for transfer from PFP
- o Completed B Plant DSA internal review and incorporating review comments
- o Incorporating review comments for Fast Flux Test Facility (FFTF) DSA/TSR
- o Dispositioning review comments for Plutonium Uranium Extraction Plant (PUREX) DSA/TSR
- 207A South Retention Basin Closure
 - o Submitted 30-day pre-notice of Tri-Party Agreement (TPA) modification request
 - o Completed ground scans of 207A South Retention Basin
 - o Completed development of the Environmental Restoration Disposal Facility (ERDF) queue
 - o Submitted the formal Permit Modification Request, Closure Plan, State Environmental Policy Act (SEPA) Checklist, and Temporary Authorization Request to RL

MAJOR ISSUES

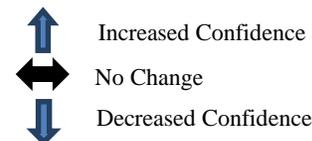
None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



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



*Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-040/WBS-040																		
Explanation of major changes to the project monthly stoplight chart: No major changes to the risk profile for the month of June .																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
D4-064: Aging Building Systems/Component	Problems with aging building systems/components (e.g., roofing/structures, etc.) result in inoperability or requires unscheduled maintenance/outages, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$3.5M, 0 day	↑		<p>Risk Event: During a routine, non-scheduled inspection the PUREX stack monitoring probe broke, resulting in temporary repairs to the stack sampling probe.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.</td> <td rowspan="3">03/10/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Procure replacement probe.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop white-paper and communicate to DOE on proposed repairs/upgrades</td> <td>Complete</td> <td>100</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Procurement of the stack monitoring probe was complete. This part will be placed in spares to mitigate future consequences should this event occur again. The white-paper was complete and obtained DOE-RL concurrence regarding the repairs/upgrades. Talks will commence with WDOH and one approval is granted CHPRC will receive direction from DOE-RL to proceed. Risk recovery actions are on schedule with no secondary concerns or alternative course of actions at this time. This risk will no longer be reported on during the monthly performance report as risk recovery actions are complete; however, risk will continue to be monitored internal to the project.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.	03/10/15	Complete	100	Procure replacement probe.	Complete	100	Develop white-paper and communicate to DOE on proposed repairs/upgrades	Complete	100
Risk recovery action(s)	Risk Date	FC Date	%															
Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.	03/10/15	Complete	100															
Procure replacement probe.		Complete	100															
Develop white-paper and communicate to DOE on proposed repairs/upgrades		Complete	100															
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
No critical risks identified in the month of June .																		
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																		
No high threat value risks identified in the month of June .																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
D4-022: Conflicts Between Regulatory Agencies	EPA and Ecology do not agree on plans for accomplishing facility D4, or disposition pathways for waste, which causes schedule and probable cost impacts.			<u>CHPRC Comment:</u> Regulator actions are outside of CHPRC control.
D4-039A: Pre-FY 2013 ERDF Impacts to D4 Activities	ERDF cannot accept D4 wastes or provide required support as the wastes are generated. This risk applies to D4 activities occurring before CHPRC assumes control of ERDF.			<u>CHPRC Comment:</u> Performance of other Hanford contractors is outside of CHPRC control.
D4-P-049: PUREX Tunnels Disposition	PUREX Tunnels materials must be removed and treated prior to tunnel closure.			<u>CHPRC Comment:</u> DOE decision or change to previous decision are outside of CHPRC control.
D4-U-023: EPA Disallows Adding Additional Items to U-Plant ROD	EPA will not allow adding additional items (such as ancillary facility sand filters or WR vault) to the U-Plant Record of Decision (ROD)			<u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.
WSR-001: Canyon Facility Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining canyon facilities requires removal/treatment/disposal rather than cap in place.			<u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.
WSR-002: Semi-Works Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining the Hot Semi-Works requires removal/treatment/disposal rather than cap in place and requires RCRA closure of the CX tanks.			<u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-004: MG-1/MG-2 Cleanup Requirements	Cleanup requirements for 200-MG-1 and 200-MG-2 are more stringent than proposed in the EE/CA's.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-005: NRDWL/Landfill Remediation	Regulators will require a remove/treat/dispose (RTD) remedy for selected portions of the Nonradioactive Dangerous Waste Landfill (NRDWL) or the Central Landfill.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-007: More Extensive Contamination Than Expected	During waste site remediation, contamination depth or breadth is greater than planned.			<u>CHPRC Comment:</u> Waste site dimensions were provided in the RFP and associated documents. Deviations from those specific in the RFP are outside of CHPRC control.
WSR-008: No Action Waste Sites	Confirmatory samples determine no action waste sites require RTD remediation.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-009: Different Remediation Approach	Regulators will require a different cleanup remedy than planned.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-010: Different Remediation Approach	Regulators may agree to a less restrictive cleanup remedy than planned in the baseline.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-011: Regulators Disagree on Remediation Approach	EPA and Ecology disagree on remediation approach for similar waste sites within a closure zone where the waste sites are assigned to different operable units and have different lead regulatory agencies.			<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.
WSR-012: Waste Site Remediation Required Earlier Than Planned	Regulators require closure actions on waste sites before funds available to address adjacent facilities/sites.			<u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.
WSR-014: Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation.			<u>CHPRC Comment:</u> Unexpected contaminants are outside of CHPRC control.

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
WSR-015: Borrow Material Shortage	Sufficient borrow material to support cleanup remedies is not available on site. <u>CHPRC Comment:</u> Restrictions on borrow pit usage and development are outside of CHPRC control.			
WSR-018: ERDF Priorities Impact Waste Site Remediation	Conflicting ERDF priorities impact the CHPRC waste site remediation schedule. <u>CHPRC Comment:</u> Performance of other Hanford Contractors is outside of CHPRC control.			
WSR-019: Regulator Required Barrier Design Changes	Regulators require changes to planned barrier designs. <u>CHPRC Comment:</u> Regulator decisions/actions are outside of CHPRC control.			
WSR-020: Operable Unit vs. Zone Closure Decision Documents	Regulators require closure documents by operable unit rather than by closure zone, thus impacting the zone closure strategy and schedule. <u>CHPRC Comment:</u> Regulatory documents are not developed via Zone Closure or Operable Units. A new category has been developed and is in use. STAYS - EA & WA are operable units			
WSR-023: New Waste Sites Identified	New waste sites are discovered during waste site remediation or through the orphan site identification process. <u>CHPRC Comment:</u> Waste site were provided in the RFP and associated documents. Deviations from those specifics in the RFP are outside of CHPRC control.			
WSR-025: HLW Discovered During Remediation	Tanks located within or near canyon facilities contain high-level waste that must be dispositioned. <u>CHPRC Comment:</u> RFP did not identify any High Level Waste.			
WSR-038: Debris Waste Site Cleanup	Radiological or hazardous constituents encountered during cleanup of debris waste sites that were expected to contain only uncontaminated materials. <u>CHPRC Comment:</u> The J-14 table reflects all radioactive/hazardous waste sites requiring remediation. Debris piles are not contaminated.			
WSR-044: OPP: RTD Sites Only Need Confirmatory Sampling	Confirmatory sampling for no further action determined to be acceptable for waste sites previously identified as needing removal, treatment, and disposal (RTD) as the remedial action. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-045: Accelerated Remediation of Sites Not in L-8 Table	Waste sites not included in the PRC RFP L-8 table require remediation under the CHPRC contract. <u>CHPRC Comment:</u> Waste sites were stipulated in the RFP and associated documents. Additional waste sites are outside of CHPRC control.			

PROJECT BASELINE PERFORMANCE

Current Month (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.0	1.0	0.9	0.1	6.0%	0.1	9.9%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance: (+\$0.1M/+6.0%)

Variance is within reporting threshold.

CM Cost Performance: (+\$0.1M/+9.9%)

Variance is within reporting 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	397.8	397.4	366.3	(0.4)	-0.1%	31.1	7.8%	462.0	429.3	32.6

Numbers are rounded to the nearest \$0.1 million

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

Variance is within reporting threshold.

CTD Cost Performance: (+\$31.1M/+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 (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million) and efficiencies with Arid Lands Ecology (ALE) (\$3.7 million), North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million). This is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, and ERDF passback, which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.4 million) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.2 million), Surveillance and Maintenance (S&M) costs less than expected (\$4.4 million), U-Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1 million), Program Management utilizing less resources (\$3.5 million) and underrun in overhead allocations (\$1.9 million).

Variance at Completion (+\$32.6M/+7.1%)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

FY2015			
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Spend Variance
RL-0040	18.4	14.9	3.5

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0040 is changed from \$15.5 million to \$18.4 million from the prior month due to the addition of RL authorized Buy Back scope including procurement of additional radiation survey vehicles, expanded planning capabilities, and 207A S Retention Basin TSD closure activities. The Spend Forecast was changed from \$16.2 million to \$14.9 million due to delay in initiating Canyon Risk Mitigation activities pending finalizing a prioritization process and work scope selection with RL.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-040-15-005R0 - *Delay Canyon Risk Mitigation Planning Package*
- BCR-PRC-15-039R0 - *Definitization of CO #248, Implement DOE-0342, Rev. 2A, CBDPP Revision*
- BCR-PRC-15-043R0 - *Undistributed Budget Adjustments June 2015*
- BCR-PRC-15-045R0 - *TSD Closure Activities*
- BCRA-PRC-15-040R0 - *Schedule Health, Eliminate Duplicate PBS RL-12 and PBS RL-40 Activity Names*
- BCRA-PRC-15-044R0 - *HPIC Updates June 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

June 2015
CHPRC-2015-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells continued drilling through clean backfill and into native material, collecting soil samples continuously to a depth of approximately 102 feet. The project initiated 116-KE-3 well construction, completed UPR-100-K-1 Hazard Review Board for drilling and sampling activities, and continued monthly radiological surveillances.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
 - o 116-KE-3
 - Continued drilling through native material collecting soil samples continuously to a depth of approximately 102 feet
 - Received preliminary lab results through the contaminated zone
 - o UPR-100-K-1
 - Completed Hazard Review Board for drilling and sampling operations
- Completed Surveillances:
 - o Radiological – 34
- Initiated preliminary planning for authorized accelerations:
 - o Prepared draft statement of work for Area AB waste site remediation
 - o Initiated hiring for insulators in support of 165KE Asbestos Abatement

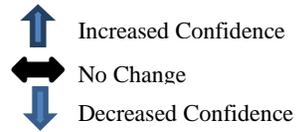
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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



*Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-041/WBS-041				
Explanation of major changes to the project monthly spotlight chart:				
In the month of June 4 unassigned risks were accepted by DOE-RL FPD, and closed out in the CHPRC risk register.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of June.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of June.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of June.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
To ensure success of the project, ownership needs to be established to further identify and address potential impacts to life cycle project cost and schedule. There are cases when identified risks are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
KBC-004: Contamination Depth Greater Than Planned	In the month of June DOE-RL FPD accepted transfer risk. Concern is already captured in DOE-RL risk register; CRR – 41KBC-02, Overarching programmatic risk - Extent of Contamination is Greater than Planned. This risk will be closed in the CHPRC risk register and no longer reported on.			
KBC-069: ERDF Return of Waste Canisters	In the month of June DOE-RL FPD accepted transfer risk. Concern is already captured in DOE-RL risk register; CRR – Enabling Assumption 41KBC-11 – ERDF is available to accept 100-K Remediation & D4 waste (including reactor cores). Additional interface requirements are identified in Table J-3 – HSS Matrix (Item # 96. This risk will be closed in the CHPRC risk register and no longer reported on.			
KBC-078: RTD Waste Site Contamination Extent/Waste Volumes	In the month of June DOE-RL FPD accepted transfer risk. Concern is already captured in DOE-RL risk register; CRR – 41KBC-02, Overarching programmatic risk - Extent of Contamination is Greater than Planned. Discrete risks open for specific waste site impacts. This risk will be closed in the CHPRC risk register and no longer reported on.			
KBC-083: Waste Profile Support from WCH	In the month of June DOE-RL FPD accepted transfer risk. Concern is already captured in DOE-RL risk register; CRR – Enabling Assumption 41KBC-11 – ERDF is available to accept 100-K Remediation & D4 waste (including reactor cores). Additional interface requirements are identified in Table J-3 – HSS Matrix (Item # 96). This risk will be closed in the CHPRC risk register and no longer reported on.			

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	0.4	0.5	(0.1)	-14.2%	(0.1)	-16.7%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.1M/-14.2%)

The current period schedule variance is within threshold.

CM Cost Performance (-\$0.1M/-16.7%)

The cost variance is within 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	314.4	313.9	286.4	(0.5)	-0.1%	27.4	8.7%	398.1	374.1	24.0

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (-\$0.5M/-0.1%)

The schedule variance is within threshold.

CTD Cost Performance (+\$27.4M/+8.7%)

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

Variance at Completion (+\$24.0M/+6.0%)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	11.5	10.3	1.2

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 is changed from \$9.6 million to \$11.5 million due to the addition of RL authorized Buy Back scope. The Spend Forecast is changed from \$8.4 million to \$10.3 million due to the authorization accelerate 100K waste site remediation activities in Area AB and asbestos abatement in 165-KE.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-010R0 – *Definitization of CO #248, Implement DOE-0342, Rev. 2A, CBDPP Revision, PBS-041 Impacts*

BCR-PRC-15-042R0 – *PBS RL-041 Related TPA Milestone Changes*

BCRA-PRC-15-044R0 – *HPIC Updates June 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

June 2015
CHPRC-2015-06, 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

- Continued planning for installation of switches for the T-58 heater control circuit
- Completed R-3, R-4, and R-617 annual fan maintenance activities
- 400 Area Water System
 - o Completed 400 Area Fire Systems Annual Inspections
 - o Commenced internal water tank inspections for T-58 and T-87 using contracted dive team and Hanford Fire and other support.
- Completed:
 - o 20 Preventative Maintenance activities
 - o Five operational surveillances
 - o Five radiological surveillances

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



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



Increased Confidence
 No Change
 Decreased Confidence

*Red arrow indicates realized risk
 *Green arrow indicates realized opportunity

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

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	0.1	0.1	0.2	0.1	74.4%	(0.1)	-45.8%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.1M/+74.4%)

The current period schedule variance is within threshold.

CM Cost Performance: (-\$0.1M/-45.8%)

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	19.5	19.5	16.2	(0.0)	-0.0%	3.3	16.9%	26.7	22.9	3.8

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.3M/+16.9%)

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

Variance at Completion (+\$3.8M/+14.2%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.2	1.6	0.5

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

Projected Funding is changed from \$1.4 million to \$2.2 million due to the significant costs associated with the internal inspection/repair of the 400 Area Water System tanks. The level of support required for the Dive contractor was far in excess of plan and repairs were much more extensive than anticipated. The Spending Forecast was essentially unchanged.

Critical Path Schedule

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

Baseline Change Requests

BCR-PRC-15-039R0 - Definitization of CO #248, Implement DOE-0342, Rev. 2A, CBDPP Revision

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



May 2015
CHPRC-2015-05, 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) 2015 / 05 / 25						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2015 / 06 / 21						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY 1	b. NEGOTIATED COST 5,502,444	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 22,915	d. TARGET PROFIT/FEE 229,503	e. TARGET PRICE 5,731,947	f. ESTIMATED PRICE 5,598,876	g. CONTRACT CEILING 5,731,947	h. ESTIMATED CONTRACT CEILING 5,598,876	i. DATE OF OTB/OTS								
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) K. K. Dickerson			b. TITLE Prime Contract Manager							
a. BEST CASE		5,289,629				c. SIGNATURE			d. DATE SIGNED 6/21/2015							
b. WORST CASE		5,502,640														
c. MOST LIKELY		5,369,373	5,525,358	155,986												
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	22,988	21,239	7,830	513	1,279	825,597	793,505	814,293	(32,092)	(20,788)	0	0	0	952,929	956,980	(4,051)
012 RL-12 SNF Stabilization and Disposition	6,131	5,414	6,345	74	892	492,139	494,523	504,520	2,383	(9,997)	0	0	0	696,176	711,381	(15,205)
013 RL-13 Solid Waste Stabilization & Disposition	7,800	6,384	5,864	(895)	3,065	953,831	953,288	903,207	(544)	50,081	0	0	0	1,312,929	1,242,885	70,044
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	12,372	11,847	11,502	(1,247)	286	1,112,510	1,107,221	1,089,059	(5,289)	18,162	0	0	0	1,538,070	1,493,384	44,687
040 RL-40 Nuclear Facility D&D Remainder of Hanford	974	1,032	930	(174)	226	397,825	397,426	366,343	(399)	31,083	0	0	0	456,584	423,943	32,641
041 RL-41 Nuclear Facility D&D - River Corridor	516	443	517	(57)	(299)	314,354	313,891	286,446	(463)	27,446	0	0	0	398,068	374,052	24,016
042 RL-42 FFTF Closure	84	146	212	(9)	73	19,541	19,537	16,241	(4)	3,297	0	0	0	26,694	22,894	3,800
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														64,111	64,111	0
e. Sub Total	50,865	46,505	33,200	(4,360)	13,305	4,115,797	4,079,391	3,980,108	(36,406)	99,282	0	0	0	5,445,561	5,289,629	155,932
f. Management Reserve														79,743		
g. Total	50,865	46,505	33,200	(4,360)	13,305	4,115,797	4,079,391	3,980,108	(36,406)	99,282	0	0	0	5,525,305		
9. Reconciliation to CBB																
a. Variance Adjustment										(36,406)	99,282					
b. Total Contract Variance												5,525,305	5,289,629	235,675		

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) 2015 / 05 / 25								
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2015 / 06 / 21								
c. TYPE CPAF		d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009											
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 - Envr Program & Strategic Planning																
340 - Environmental Prog & Regl Mgt	582	529	533	(53)	(4)	53,894	53,908	49,830	14	4,079	0	0	0	83,134	82,287	847
	582	529	533	(53)	(4)	53,894	53,908	49,830	14	4,079	0	0	0	83,134	82,287	847
35 - Business Services																
35K - PRC Finance	0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902
	0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902
36 - Prime Contract & Project Integration																
365 - Perf Assess & Risk Mgmt	349	349	190	0	159	809	809	435	0	374	0	0	0	8,602	8,508	94
	349	349	190	0	159	809	809	435	0	374	0	0	0	8,602	8,508	94
3B - PFP Closure																
36Y - Matrixed to PFP	0	0	0	0	0	4,822	4,822	5,328	0	(507)				4,822	5,328	(507)
3B0 - PFP Close/BOS D&D & Infrastruc	5,063	4,883	2,029	(181)	2,854	151,615	140,287	161,899	(11,328)	(21,612)	0	0	0	168,226	184,174	(15,948)
3B3 - Project Management/Subcontracts	1,008	997	665	(12)	332	129,371	129,238	135,456	(132)	(6,217)	0	0	0	139,936	154,829	(14,893)
3B4 - Engrg Nuc Saf Png&Wrk Control	1,540	1,540	1,161	0	380	36,123	36,043	26,818	(79)	9,225	0	0	0	81,674	63,905	17,769
3B7 - Environmental & Waste	630	631	569	1	63	59,852	59,123	49,029	(728)	10,094	0	0	0	73,244	74,552	(1,308)
3BA - Project Mgmt D&D	6,080	6,079	984	(1)	5,095	163,402	163,401	160,954	(1)	2,447	0	0	0	173,152	170,338	2,814
3BB - PFP D4 Deputy Project Mgmt	8,591	7,034	2,376	(1,558)	4,658	194,106	174,284	195,735	(19,822)	(21,451)	0	0	0	224,617	223,767	850
	22,913	21,164	7,783	(1,749)	13,381	739,290	707,198	735,218	(32,092)	(28,020)	0	0	0	865,670	876,893	(11,223)
3C - Waste & Fuels Management Project																
3C1 - Waste & Fuels Mgmt Proj	305	165	378	(140)	(213)	61,324	60,969	53,882	(355)	7,087	0	0	0	62,703	56,704	5,999
3C4 - Waste & Fuels Project Controls	1,748	1,811	1,600	63	211	184,226	184,166	176,340	(60)	7,826	0	0	0	276,025	249,018	27,007
3C9 - Liquid & Fuels Storage	1,061	1,030	1,635	(31)	(606)	218,000	218,327	204,186	327	14,141	0	0	0	344,123	353,608	(9,485)
3CD - Waste Disposition	4,629	3,322	2,215	(1,307)	1,107	382,585	382,129	361,166	(456)	20,962	0	0	0	521,203	474,679	46,524
	7,743	6,327	5,828	(1,416)	499	846,134	845,591	795,573	(544)	50,017	0	0	0	1,204,054	1,134,009	70,044
3D - Soil & Groundwater Remediation																
3D0 - Soil & Groundwater Remediation	964	938	800	(26)	138	87,375	87,394	85,306	18	2,088	0	0	0	141,155	125,798	15,357
3D2 - GW Remediation Support	2,336	2,352	2,283	17	69	186,027	183,181	171,012	(2,846)	12,168	0	0	0	277,913	262,139	15,774
3D4 - GW Operations	2,788	2,698	2,518	(90)	180	183,648	183,712	170,159	64	13,553	0	0	0	308,392	290,102	18,291
3D8 - GW Analysis and Reporting	5,623	5,251	5,313	(373)	(63)	502,997	500,458	507,615	(2,539)	(7,157)	0	0	0	626,625	625,593	1,032
	11,711	11,239	10,914	(472)	325	960,047	954,744	934,093	(5,303)	20,652	0	0	0	1,354,085	1,303,631	50,454
3G - K Basin Oper & Plateau Remediation Project																
38X - Support to W&FMP/D & DD Project	1,999	1,364	2,508	(634)	(1,143)	54,456	56,532	76,943	2,076	(20,410)	0	0	0	91,055	122,066	(31,012)
3AD - Sludge Treatment Project	3,889	3,864	3,781	(25)	83	382,408	382,939	373,348	531	9,591	0	0	0	547,390	532,225	15,165
3BX - Support 3C W&FMP/D&DD Project	508	434	511	(73)	(77)	250,650	250,187	228,512	(463)	21,675	0	0	0	326,892	308,844	18,048
3C2 - DWF&RS	164	106	29	(58)	77	845	621	519	(224)	102				1,099	1,131	(33)
3CX - support to 3G 100K Area Project & BOS D&D	73	134	132	61	2	32,924	32,867	38,797	(57)	(5,930)				49,356	53,726	(4,369)
3G2 - CPS&M / D4	935	995	992	60	4	321,816	321,470	298,218	(346)	23,252	0	0	0	377,590	353,575	24,015
	7,568	6,898	7,953	(670)	(1,055)	1,043,098	1,044,616	1,016,337	1,518	28,279	0	0	0	1,393,381	1,371,567	21,814
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														64,112	64,112	0
e. Sub Total	50,865	46,505	33,200	(4,360)	13,305	4,115,797	4,079,391	3,980,108	(36,406)	99,282	0	0	0	5,445,561	5,289,629	155,932
f. Management Resrv.														79,743		
g. Total	50,865	46,505	33,200	(4,360)	13,305	4,115,797	4,079,391	3,980,108	(36,406)	99,282	0	0	0	5,525,305		

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT															Form Approved					
FORMAT 3 - BASELINE															OMB No. 0704-0188					
DOLLARS IN THOUSANDS																				
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: 2015/05/25 b. TO: 2015/06/21					
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST 4,312,366					b. NEGOTIATED CONTRACT CHANGE \$1,190,077		c. CURRENT NEGOTIATED COST (A + B) \$5,502,444		d. ESTIMATED COST AUTH UNPRICED WORK \$22,915		e. CONTRACT BUDGET BASE (C + D) \$5,525,358		f. TOTAL ALLOCATED BUDGET \$5,525,305		g. DIFFERENCE (E - F) \$53					
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																				
ITEM (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)		
							SIX MONTH FORECAST						FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)			FY17 (14)	FY18 (15)
a. PM BASELINE (BEGIN OF PERIOD)			4,064,932		37,100		46,011	36,789	49,396	30,812	37,325	31,234	3,391,477	391,653	451,099	420,508	357,040	353,283	71,105	5,436,166
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																				
BCR-011-15-002R0 - Definitization of CO #240, Mitigation of Chemical Lines at PFP															14,096					14,096
BCR-013-15-014R0 - T Plant Cell Cleanout Detailed Planning															(1,738)	361				(1,377)
BCR-030-15-018R0 - Finalize Micro Purge Low Flow Sampling Evaluation															100					100
BCR-030-15-019R0 - Revision to Cumulative Impact Analysis Method of Performance																				0
BCR-040-15-005R0 - Delay Canyon Risk Mitigation Planning Package															(714)	714				0
BCR-041-15-010R0 - Definitization of CO #248, Implement DOE-0342, Rev 2A, CBDPP Revision, PBS RL-041 Impacts															(167)	113	151	155		252
BCR-PRC-15-039R0 - Definitization of CO #248, Implement DOE-0342, Rev 2A, CBDPP Revision															(331)	577	965	645		1,856
BCR-PRC-15-045R0 - TSD Closure Activities															475	987				1,462
BCR-030-15-020R0 - PBS RL-30 Schedule Health Updates - June 2015																				0
BCRA-011-15-003R0 - PBS RL-011 Schedule Health Updates - June 2015																				0
BCRA-PRC-15-040R0 - Schedule Health, Eliminate Duplicate PBS RL-012 and PBS RL-040 Activity Names																				0
BCR-PRC-15-041R0 - WBS Dictionary Update, 91, 98, 99 Series																				0
BCR-PRC-15-042R0 - PBS PBS RL-41 Related TPA Milestones Changes																				0
BCR-PRC-15-043R0 - Undistributed Budget Adjustments June 2015																				(6,994)
c. PM BASELINE (END OF PERIOD)			4,115,797		50,791		46,192	36,601	47,358	31,158	37,722	31,939	3,391,477	391,653	462,819	423,261	358,156	354,084	64,111	5,445,561
7. MANAGEMENT RESERVE																				
8. TOTAL																				

** Prior to May 2015, Undistributed Budget (UB) values were reflected for CLIN 8 (Authorized Unpriced Work) only. Beginning May 2015, Undistributed Budget is reflected to include all CLINs.

CONTRACT PERFORMANCE REPORT													FORM APPROVED
FORMAT 4 - STAFFING													OMB No. 0704-0188
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD			
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 05 / 25			
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2015 / 06 / 21			
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE YES 9/18/2009						
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)													
Organizational Breakdown Structure (OBS)	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)									AT COMPLETION	
			SIX MONTH FORECAST						REM FY2016	FY2017	FY2018		
			+1 Jul	+2 Aug	+3 Sep	+4 Oct	+5 Nov	+6 Dec					
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
300 - Office of the President													
35X - Support to President	5	482	5	5	5	5	5	5	5	48	63	63	688
	5	482	5	5	5	5	5	5	5	48	63	63	688
303 - Internal Audit													
303 - Internal Audit	5	349	5	5	5	5	5	5	5	45	60	60	545
	5	349	5	5	5	5	5	5	5	45	60	60	545
304 - General Counsel													
304 - General Counsel	5	332	5	5	5	5	5	5	5	47	60	60	529
	5	332	5	5	5	5	5	5	5	47	60	60	529
31 - Communications													
310 - Communications	9	789	9	9	9	9	9	9	9	81	108	108	1,140
	9	789	9	9	9	9	9	9	9	81	108	108	1,140
32 - Safety, Health, Security & Quality													
320 - Safety Health Security/Quality	15	1,595	15	15	15	16	16	16	16	145	199	199	2,232
321 - RAD PRO/Emergency Prep	0	0	0	0	0	0	0	0	0	0	0	0	0
322 - Nuclear Ops Supp & Compliance	8	789	9	9	9	9	9	9	9	81	96	96	1,117
324 - Quality Assurance	14	1,805	16	16	16	17	17	17	17	151	207	208	2,471
328 - Occup Safety & Indus Hygiene	17	1,527	19	19	20	19	19	19	19	175	247	247	2,313
	55	5,717	60	60	60	61	61	61	61	551	750	751	8,132
34 - Environmental Prog & Strategic Planning													
340 - Environmental Prog & Regl Mgt	38	3,707	39	39	39	53	53	53	53	479	605	605	5,673
	38	3,707	39	39	39	53	53	53	53	479	605	605	5,673
35 - Business Services													
35D - Contract Mgmt & Facility Srvcs	25	3,125	27	27	27	28	28	28	28	253	340	340	4,222
35F - Industrial Relations	5	403	6	6	6	6	6	6	6	47	62	64	612
35H - Human Resources	16	1,173	15	15	15	16	16	16	16	143	177	177	1,762
35K - PRC Finance	13	1,388	12	12	12	14	14	14	14	126	156	156	1,904
	59	6,088	59	59	59	64	64	64	64	569	735	737	8,500
36 - Prime Contract & Project Integration													
361 - Cont Compl & Change Mgmt	11	656	12	12	12	13	13	13	13	117	156	156	1,159
363 - EVMS Compl & Rptg	19	1,454	18	18	18	17	17	17	17	153	180	180	2,072
365 - Perf Assess & Risk Mgmt	8	351	15	15	15	16	16	16	16	145	163	154	908
366 - Information & Interface Mgmt	12	1,054	14	15	15	15	15	15	15	135	168	168	1,613
	51	3,514	59	60	60	61	61	61	61	550	667	658	5,752
38 - Project Technical Services													
381 - Central Engineering	9	628	11	11	10	7	7	7	7	63	113	113	968
382 - Training & Procedures	10	2,124	10	10	10	10	10	10	10	90	120	120	2,513
383 - Operations Programs	6	830	6	6	6	7	7	7	7	63	84	84	1,102
384 - Project Delivery	10	1,165	11	11	11	12	12	12	12	108	122	122	1,588
	35	4,747	38	38	37	36	36	36	36	324	439	438	6,171
3B - PFP Closure													
36Y - Matrixed to PFP	0	524	0	0	0	0	0	0	0	0	0	0	524
3B0 - PFP Close/BOSS D&D & Infastruc	44	5,163	48	47	47	37	37	37	37	254	0	0	5,670
3B3 - Project Management/Subcontracts	30	5,327	30	30	31	23	23	23	23	209	95	0	5,793
3B4 - Engrg Nuc Saf Plng&Wrk Control	53	1,454	58	60	69	61	61	61	61	796	4	0	2,625
3B7 - Environmental & Waste	35	2,948	36	36	36	35	35	35	35	312	65	0	3,537
3BA - Project Mgmt D&D	64	11,410	62	63	63	50	50	50	50	196	0	0	11,945
3BB - PFP D4 Deputy Project Mgmt	147	13,288	154	153	143	151	151	151	151	372	0	0	14,562
	372	40,114	388	389	389	357	357	357	357	2,139	165	0	44,656
3C - W&FMP													
3C1 - Waste & Fuels Mgmt Proj	19	921	20	17	11	7	7	7	7	22	0	0	1,012
3C4 - Waste & Fuels Project Controls	55	6,838	58	61	60	72	72	72	72	655	803	789	9,482
3C9 - Liquid & Fuels Storage	75	12,239	75	75	75	85	85	85	85	764	1,094	1,580	16,196
3CD - Waste Disposition	104	20,878	134	131	122	119	119	119	119	1,063	1,563	1,342	25,637
	252	40,876	287	284	268	284	284	284	284	2,504	3,460	3,711	52,327
3D - Soil & Groundwater Remediation													
3D0 - Soil & Groundwater Remediation	39	3,232	40	42	41	42	42	42	42	372	511	511	4,873
3D2 - GW Remediation Support	61	6,672	64	63	62	68	68	68	68	561	836	911	9,374
3D4 - GW Operations	118	8,094	107	107	112	101	101	101	101	963	1,241	1,252	12,180
3D8 - GW Analysis and Reporting	95	10,168	87	84	93	74	74	74	74	651	882	917	13,116
	313	28,166	297	295	307	285	285	285	285	2,547	3,470	3,590	39,543
3G - KBO&PR													
38X - Support to W&FMP/D & DD Project	49	1,483	63	66	78	79	79	79	79	546	258	14	2,744
3AD - Sludge Treatment Project	158	16,753	155	155	154	152	152	152	152	1,422	1,833	1,721	22,679
3BX - Support 3C W&FMP/D&DD Project	28	7,255	31	38	37	63	63	63	63	606	550	861	9,567
3C2 - DWF&RS	1	26	4	4	4	0	0	0	0	0	0	0	38
3CX - support to 3G 100K Area Project & BOS D&D	3	182	8	8	7	6	6	6	6	50	67	64	403
3G2 - CPS&M / D4	52	13,069	57	54	56	49	49	49	49	474	859	816	15,532
	291	38,767	318	325	336	348	348	348	348	3,097	3,567	3,477	50,963
Grand Totals:	1,490	173,649	1,569	1,573	1,580	1,576	1,576	1,576	1,576	12,983	14,148	14,259	224,619

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR		2. CONTRACT			3. PROGRAM		4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract		a. FROM (YYYY/MM/DD) 2015/5/25		
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2015/6/21			
		c. TYPE CPAF	d. SHARE RATIO		c. EVMS ACCEPTANCE 2009/09/18 NO YES X				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	50,865	46,505	33,200	(4,360)	-8.6%	13,305	28.6%	0.91	1.40
Cumulative:	4,115,797	4,079,391	3,980,108	(36,406)	-0.9%	99,282	2.4%	0.99	1.02
	BAC	EAC	VAC in \$	VAC in %	TCPI				
At Complete:	5,445,561	5,289,629	155,932	2.9%	1.04				
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The variance is due to RL-0011 work delays on the 242-Z Control room glovebox removal activities as a result of a stop work associated with high temperatures, causing the work in the 242-Z tank room to lag. RL-0013 also contributed to variance with deferral of shipment TC128 to PFNW in order to accommodate higher priority PFP shipments and remain within the commercial repack facility's license limits.</p> <p>Current Period Cost Variance: The variance was primarily due to RL-0011 implementation of BCR-011.15-002RO which modifies the PMB to align with the definitization of Change Order #240 - Mitigation of Chemical Lines at PFP, CP 011-240 1388 - <i>Mitigation of Chemical Lines at PFP</i>, CP 011 PRC 1389 - <i>Sequestration</i>, PFP Closure Project FY2013 Sequestration Impacts and CPs in Contract Modification 403.</p> <p>Cumulative Schedule Variance: The variance is within reporting thresholds.</p> <p>Cumulative Cost Variance: The variance is within reporting thresholds.</p>									
Impact:									
<p>Current Period Schedule: No significant impact overall, as current period impacts for PFP slab on grade completion date has been incorporated.</p> <p>Current Period Cost: No significant impact overall, as the lifecycle EAC already reflects these changes.</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Corrective Action:									
<p>Current Period Schedule: Corrective Actions underway for PFP given the schedule impacts to date and the remaining time to recover, plus sequestration impacts, the completion date is now September 8, 2016 which is reflective of removing 13 gloveboxes from 234-5Z during demolition preparations and demolition. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field work push completion of follow-on work, impacting completion of TPA Milestone M-083-00A. The PFP critical path runs through size reduction of the Plutonium Reclamation Facility (PRF) Pencil Tanks, Decontaminating/Scabbling/Fixing the PRF Canyon, Prepping the Gallery Gloveboxes and turning PRF into a Cold & Dark facility. This achieves completion of the M-083-44A TPA – <i>Complete Transition of 234-5Z & ZA/243-Z/291-1 & 291-Z Facilities</i> – and kicks off demolition of the PRF facility, then 242-Z/242-ZA and finally the 234-5Z facilities leading to completion of the final Tri-Party Agreement milestone – M-083-00A, <i>PFP Facility Transition and Selection Disposition Activities</i>.</p> <p>Current Period Cost: EAC has been adjusted accordingly.</p> <p>Cumulative Schedule: N/A</p> <p>Cumulative Cost: N/A</p>									
Monthly Summary (to include technical causes of VARs, Impacts, and Corrective Action(s):									
<p>For June, the project was 8.6 percent behind schedule and 28.6 percent under planned cost. For FY2015, the project was 2.8 percent behind schedule and 12.7 percent under planned cost. The schedule variance is primarily due to RL-0011 work delays on the 242-Z Control room glovebox removal activities as a result of a stop work associated with high temperatures, causing the work in the 242-Z tank room to lag. RL-0013 also contributed to variance with deferral of shipment TC128 to PFNW in order to accommodate higher priority PFP shipments and remain within the commercial repack facility's license limits. The favorable cost variance is due to RL-0011 implementation of BCR-011.15-002RO which modifies the PMB to align with the definitization of Change Order #240 - Mitigation of Chemical Lines at PFP, CP 011-240 1388 - Mitigation of Chemical Lines at PFP, CP 011 PRC 1389 - Sequestration, PFP Closure Project FY2013 Sequestration Impacts and CPs in Contract Modification 403. Corrective Actions underway for PFP. PBS RL-0011 - Upon completion of work in 234-5Z RMA line and backside field work resources will transition to begin work on transfer line removal in 234-5Z. It was anticipated that this would occur in December of 2014, but in order to finish up RMA/RMC bulk area cleanout, the transition has been delayed. The team has now been reassigned to finish wall removal in support of insitu size reduction activities. The team was expected to transition to balance of 234-5Z in June. However, due to some delays with asbestos panels in the wall, the team will now be available in July. Updated ECD: July 2015 (delayed - previously expected to complete in June 2015). The project is initiating a drain line grouting concept that will provide acceleration of efficiencies to remove the drain lines in the basement of 234-5Z. Preparations have been delayed</p>									

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

due to increased duration required for E4 stub removal on the first floor of 234-5Z. Residual liquid draining and drain line grout preparations were scheduled to begin in June. However, the team scheduled to initiate drain line prep work has been reassigned to support PRF MT bulk area cleanout and column glovebox removal. This will delay the completion of drain remediation as the team was not expected to transition to the drain lines in 234-5Z until October 2015. However, due to schedule efficiencies realized in PRF (WBS - 11.05.C2.03.02), the team will now be available to begin work in August. ECD: Start prep August 2015 (accelerated - previously expected to complete in October 2015). D&D discrete work activities and will continue to align with the end date of 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 +\$155.9 million and +2.9% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$22,914
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		\$22,914

Use of Management Reserve (MR) and Fee Activity:

MR Utilization

BCR Number	Title	Fiscal Year	MR
BCR-013-15-014R0	<i>T Plant Cell Cleanout Detailed Planning</i>	2015 - 2018	\$1,377K

Overall, there was an increase of \$1,377K to Management Reserve during June.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-011-15-002R0	<i>Definitization of CO #240, Mitigation of Chemical Lines at PFP</i>	2014 - 2018	\$1,000K

Overall, there was an increase of \$1,000K to Fee during June.

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: 7/16/2015	Approved by:	Date:
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Appendix B

Project Services and Support (WBS 000)



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

M. A. Wright
Vice President for
Project Technical
Services

June 2015
CHPRC-2015-06, 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
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R. M. Millikin
Vice President for
Prime Contract and
Project Integration

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 82% by compressing occupancy and vacating underutilized facilities. Vacated/unoccupied facilities declared unusable and designated inactive placed in Care Taker system.	9/30/15	70%
15-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into at least 90% of CHPRC onsite/offsite event contracts. Train staff on “green” event planning, contract terms, and policy.	9/30/15	80%
15-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Establish green catalogs for products beyond office supply purchases on the web site and assuring the GSA supplier has been educated on this objective.	10/9/15	70%
15-EMS-ADMIN-OB3-T2	Reduce generation of paper waste.	Migrate 95% of all record generation to paperless. All records will be reviewed and moved into IDMS for permanent storage.	9/30/15	85%
15-EMS-ADMIN-OB4-T1	To expedite chemical Reportable Quantity (RQ) identification by the CHPRC single point of contact (SPOC) during a release or spill.	Develop RQ table for the single point of contact (SPOC) at CHPRC to use when evaluating a release or spill.	9/30/15	100%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	2	9	<ul style="list-style-type: none"> • Bite/Sting Left Arm (23701) • Bite/Sting Left Leg (23717)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- SHS&Q activities provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no Recordable injuries, but two First Aid cases during June.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees. One site-wide program, DOE-0346, *Hanford Site Fall Protection Program*, is currently in the process of developing an implementation schedule for Revision 1A. Three other site-wide committees (DOE-0344, *Hanford Site Excavation, Trenching and Shoring Procedure*; DOE-0352, *Hanford Site Respiratory Protection Program*; and DOE-0360, *Hanford Site Confined Space Procedure*), are going through the revision process at this time.
 - Continued implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 857 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 327 CHPRC facilities. An additional 53 facilities have been sampled.
 - Continued to provide field ergonomic assessments and office ergonomic assessments throughout all projects.
 - Continued to assist Project Technical Services (PTS) in review of sampling data for stainless steel welding at the construction shop.
 - Provided technical support to DWF&RS for confined space evaluations for diving activities.
 - Continued to provide support to PFP for respiratory protection issues and trending data for PAPR issues.
 - Continue to work with Sample Management to streamline the handling and shipping of IH samples.
 - Supported the establishment of a new respiratory issuance station at 100K.
 - Provided support to relocate the respiratory issuance station at WESF.
 - Completed the work efforts for the new electronic tracking system for respiratory issues at PFP.

- Developed a communications plan for PPE and Vehicle Safety which include the development of two CHPRC safety videos.
- Continuing to provide safety personnel to S&GRP while search is underway to obtain additional project OS&IH staff.
- Continuing to provide resources to PTS to backfill project OS&IH.
- o Radiological Control accomplishments:
 - Working corrective actions to support CHPRC Radioactive Material Area management improvement plan submitted to RL.
 - Supported 10 CFR 835 Subpart F, “*Entry Control Program*” as part of triennial assessment activities.
 - Initiated Work Site Assessment on Radiation Protection Training.
 - Revised PRC-PRO-RP-40109, *Radiological Work Planning*, procedure to streamline In-Process ALARA Review protocols.
 - Continued working with Lockheed Martin Services, Inc. (LMSI) to convert Survey Simple to web-based application.
 - Issued CHPRC contract for hiring Contractor RCTs.
 - Supported Annual RL Field Exercise conducted at CWC.
 - Conducted Microshield software upgrade on-site vendor training.
 - Continued work with site contractor Interface Management to revise the Administrative Interface Agreement for Integrated Biological Control Program Services.
 - Approved two Administrative Control Limit extensions for PFP personnel.
 - Conducted First Quarter 2015 Company ALARA Meeting and 100K Facility ALARA Meeting.
 - Presented annual Safety Management Program review to the ESRB.
- o Nuclear Safety accomplishments:
 - Safety Basis documents and letters transmitted to RL in June include:
 - E-mail, CHPRC-1502368, dated June 2, 2015, *Informal Transmittal of the 105-KW Basin FSAR, Revision 22, and TSR, Revision 18, to DOE-RL for Comment.*
 - E-mail, CHPRC-1502417, dated June 2, 2015, *CHPRC-02212 Rev 1 WESF Stabilization and Ventilation Project Safety Design Strategy.*
 - E-mail, CHPRC-1502669, dated June 25, 2015, *2015 SWOC MDSA and TSR Annual Updated (Revision 11) Transmittal.*
 - Letter, CHPRC-1502408, June 8, 2015, *Transmittal of Recovery Plan CWC-RP-15-002, Friction Mats Analysis for CWC/WRAP Waste Storage Buildings.*
 - Nuclear Safety Procedures and Training
 - Revised PRC-PRO-NS-8317, *Safety Basis Implementation and Maintenance.*
 - Updated NSB Workflow Process in DMCS.
 - Approved Continuing Nuclear Safety Training qualification card.
 - Criticality Safety
 - SHS&Q-2015-MA-14738, Rev 0, *Criticality Safety Management Assessment 105KW/Sludge Treatment Plant*, June 9, 2015.
 - CHPRC-02453, Rev 0, *CSER 14-003: Criticality Safety Evaluation Report for the Retrieval of EBR-II Casks from the Low Level Burial Grounds*, May 27, 2015.
 - CHPRC-02459, Rev 0, *CSER 14-006: Criticality Safety Evaluation Report for Limited Fissile Material Operations at the K West Basin*, June 11, 2015.
 - ACF 15-001: *Alternate Storage Configuration for Man Basket Located Inside PRF Canyon*, June 23, 2015.

- Transportation Safety
 - CE-4 SPA SEC completed for shipping authorization for PFP.
 - Functional Design Criteria for procurement of IP-1 Overpack in support of SWOC disposition of Fiberglass Reinforced Plywood box, 75DMA16F3, released.
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 214 Condition Reports (CRs) were screened in June:
 - No Significant issues identified.
 - One Adverse issues identified.
 - 71 Track Until Fixed (TUF) issues identified.
 - 58 Trend Only (TO) items identified.
 - 833 Opportunity for Improvement (OFI) items identified.
 - One Screen Outs.
 - 128 CRs administratively closed
 - 230 CR actions administratively closed
 - Course #600082, CHPRC Responsible Manager, Issues Management, was provided to 13 employees.
 - Provided support to PFP by performing a Common Cause Evaluation for CR-2015-0932, *Potential Adverse Trend Related to Issues during the Construction of Scaffolding*.
 - Provided support to PTS in performance of Apparent Cause Evaluation for CR-2015-0876, C1, *CHPRC did not perform FFPAs per Contractual Requirements*.
 - Coordinated response to document request following the DNFSB Annual Board tour of Hanford CHPRC Projects.
 - Coordinated recurring monthly DNFSB STP and PFP status conference calls.
 - Twenty eight documents were provided in response to DNFSB requests for information.
 - Two external Lessons Learned: *Operational Changes may Challenge Initial Assumptions in Safety Basis* and *Arc Welding Fire*, and two internal Lessons Learned: *Managing Change during Facility Transition/Turnover* and *Validation of Socioeconomic Reporting for HUBZone Small Business Size Standard*, were published in OPEX.
 - Two Noncompliance Tracking System reports were submitted:
 - NTS-RL—CPRC-PRCGEN-2015-0001, *Double Wall High Density Polyethylene Pipe Fell Off Roller Stand and Landed Near Worker*.
 - NTS-RL—CPRC-SWOC-2015-0001, *Noncompliance with a Technical Safety Requirement Administrative Control Element Related to Use of Friction Mats*.
 - Submitted to RL CHPRC-1502747 - *CHPRC Quarterly Performance Analysis Report Third Quarter FY2015*.
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Completed the FY2015 Safety Culture Survey.
 - Developed briefing material for the “Doing Work Safely” presentations to be implemented in July/August time frame.
 - Issued SHSQ-2015-NSPEB-13325, *Plutonium Finishing Plant Independent Assessment*.
 - Completed IEP update testing and successfully deployed IEP revision 1.3.0.
 - Issued PTS-2015-SURV-15783, Review of actions to address Fire Protection Program improvement.
 - Issued the 10 CFR 835, Subpart F, *Entry Control Program*, triennial assessment final report.
 - Provided support to PFP for development of a Statement of Work for resources to assist in preparation for and conduct of Readiness Assessment for commencing demolition of the PFP facility complex.

- Completed SHS&Q-2015-SURV-15861, to validate SMP LOI 14-8-1 regarding the planning and execution of independent assessment activities.
 - Provided assistance to PC&PI’s initial activities to develop Lines of Inquiry in support of Management Assessments of organizational productivity included in the Corrective Actions for CR-2014-2322, “Need for a more Rigorous and Formal CHPRC Project Productivity Process.
 - Completed and issued SHS&Q-2015-SURV-15094, “Review of Project Technical Support’s Contract Directive Requirements for the Flow Down and Performance of Programmatic Assessments/Reviews/Evaluations.”
 - Supported K-Basin Engineering in the development of performance criteria for the subcontract to convert the historical Cold Vacuum Drying Facility electronic records into a format for placement in the IDMS.
 - Worked with the Contractor Interface and Plant Technical Services organization in issuing the new CHPRC calibration services contract for our nuclear facilities.
 - Worked with S&GRP project in resolution and final disposal of legacy suspect counterfeit parts previously identified in two of their decommissioned treatment units.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
 - o **Status:** Continued implementation of Revision 2A across CHPRC.
 - o **Action:** Beryllium facility assessments and characterization sampling were being conducted. Beryllium facility assessments have been completed on 829 CHPRC facilities. Additional personnel resources from Mission Support Alliance (MSA) are being utilized for conducting Be assessments/characterization in Plateau Remediation Contract (PRC) facilities. Two additional subcontractors have been hired to support sampling and characterization efforts. RL has disbanded the Be CAP Product Committee and has released our HAMTC representative for deployment back to our projects. Funding for FY2016 is in question and requires resolution at senior management level.
 - o **Issue:** Accident & Injury Reduction.
 - o **Status:** Continue investigating recordable, DART, and first aid injuries to determine cause, prevention, reduction, to prevent recurrence.
 - o **Action:** Continued to interface with project personnel, supporting Employee Zero Accident Council (EZAC) and project safety meetings for continued focus on injury prevention. Recordable injury trend across the PRC is of concern. Extra efforts and focus is required to reverse this negative trend.
 - o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward.
 - o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
 - o **Action:** Supporting PFP initiatives, supplied breathing air system implementation, new Non-Destructive Assay (NDA) equipment and process upgrades, and DSA Revision 13 development.
 - o **Issue:** Fire Protection program weaknesses.
 - o **Status:** In June, the Fire Protection program transferred to SHS&Q.
 - o **Action:** Program weaknesses are being reviewed and Corrective Actions are being identified to improve program. Additional personnel resources are being recruited and hired. Additional funding will be requested in FY2016 to support Corrective Actions and additional personnel resources.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**

- On May 11, Washington Department of Health (WDOH) and Ecology notified RL it was placing the loss of continuous stack sampling at PUREX on the EPA High Priority Violation (HPV) list. CHPRC met with RL on June 15 and recommended a path forward intended to address WDOH concerns and minimize follow-up enforcement action. RL accepted the recommendation and took action to set up a meeting with WDOH to discuss the proposal.
- A response to Ecology's inspection report that expressed concerns with the TSD permittee inspection program at 207-A South Retention Basin was prepared and provided to RL. RL sent this to Ecology on May 12, but Ecology responded on June 2 with continuing concerns. A meeting with Ecology is planned before a response is provided.
- RL/CHPRC received Ecology's report for its January 2015 T Plant inspection on June 11. A number of compliance concerns were identified, including those related to record keeping, inspection logs, training plan content and major risk labeling. A draft evaluation and response will be provided to RL in July.
- With project participation, sorted and consolidated Clean Sweep assessment findings and observations for the final report.
- Continued preparation of the Environmental Enhancement Program Action Plan, incorporating the May "Compliance Forums" suggestions, trending analysis of findings and observations, update of compliance gray area listing, and environmental staffing review.

Environmental Management System

- CHPRC has been recommended for ISO 14001 recertification. The auditors characterized the CHPRC EMS as "very thorough, well documented and effectively implemented," citing the strong commitment of senior management, robust training program and personnel dedicated to operational excellence. One of the six proficiencies was excellence in Sample Collection at S&GRP, which was also called "Best in Class." Lead auditor, Joseph Birchfield called it the best he has seen in any federal installation in the nation.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**

- Completed a surveillance focused on evaluation of the implementation of SOW 36408-6 "*WRPS Continued Management of CHPRC Contractually Assigned Facilities and Waste Sites*". One finding resulted identifying that management of the SOW was insufficient by Central Plateau Surveillance and Maintenance (CPS&M). The CPS&M organization has taken steps to develop a process to correct the finding.

Business Services

- **Acquisition Planning**

- Developed a revised procurement strategy for WESF cesium and strontium retrieval and storage.
- Developed the acquisition planning document for the REDOX roofing project.
- Developed the procurement strategy and acquisition plan for supplying chemicals that supports operations at the 200 West Pump and Water Treatment Facility. The current contract is on the final option year and will be re-competed this summer.
- Completed review of procurement files in support of the balanced scorecard procurement system program review. In all, 40 files were reviewed with no significant findings.
- Commenced with a work site assessment as it relates to lower-tier subcontractors and flow-down of contract requirements.
- Coordinated the planning and drafted the Statement of Work for the installation of Wi-Fi for the STP.

- o Received preliminary procurement data for specialized bolts in support of the CSB. Rough Order of Magnitude cost and schedule information was received to aid in the planning for future engineering testing activities.
- o Met with Finance to review new master agreement for Contracted Radiological Control Technicians.
- o Supported the review of technical evaluations for the In-Basin Construction work at 100K-West Facility.
- o Developed FY2016 procurement forecasts for small business subcontracting and strategic sourcing goals.
- **Facilities & Property Management (F&PM)**
 - o Transferred trailer MO180 to WRPS as part of reutilization objectives. Waiting for WRPS to physically transport MO180 to their new location.
 - o Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 69 percent of 3,407 items through June. All reviewed property located.
 - o Supplied all requested documentation for the FY2015 KPMG property audit. Completed field visit for the FY2015 KPMG Property Audit.
 - o Assisted WESF with processes to set up additional facilities for future work at B-Plant for the storage of CESTR capsules and contractors.
 - o Initiated relocating three self-contained Mobile Offices used at PFP to support 100K future D&D activities.
 - o Worked with PTS to execute the roof replacement for MO743, a landlord facility.
 - o RL has requested CHPRC to accelerate the decommissioning of the 242A evaporator basin (207A Decommissioning Project) and currently the 207A basin resides in the property system under WRPS. To meet the projected time line a transfer documentation has been generated for transfer of the basin to meet the anticipated schedule. The document is currently with RL for signature.
 - o Currently re-aligning asset responsibilities and assignments as a result of the split in the DWF&RS organization to K Basin Operations & Plateau Remediation (KBO&PR) and Waste & Fuel Management Project (W&FMP).
- **Finance**
 - o Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits.
 - o June month end completed with no suspensions.
 - o Worked with RL and STP to transfer costs related to Line Item scope.
 - o Supported RL A-123 Audit on Inventory.
 - o Responded to RL Invoice Review for FY2013 Quarters three and four.
 - o Kicked off FY2015 Accounting System Audit with KPMG.
- **Human Resources (HR)**
 - o Human Resources has brought on 21 interns across the site for the summer and have hired five new Cooperative (Co-Op) student employees.
- **Labor Relations**
 - o The arbitration hearing for ruling on overtime hours in excess of 52 in a work week was heard on May 27 and May 28, 2015. This arbitration combined five grievances and held in abeyance approximately 30 others. A decision on this hearing is not expected until mid to late August. Additionally, the arbitration on D&D at PFP, originally scheduled for July 8 and 9, 2015 has been postponed until mid-December.
 - o The union withdrew the following grievance, previously requested for arbitration, during the month of June:
 - PRC-015-007 – Cancelled Overtime

- **Procurement**

- o Awarded/amended 91 contracts with a total value of \$11.1 million. Additionally, awarded 234 new material Purchase Orders valued at \$612K to support ongoing project objectives.
- o At the end of the first 81 months of the PRC, procurement volume has been significant; \$2.23 billion in contract activity has been recorded with approximately 51.49 percent, or \$1.14 billion, in awards to small businesses. This includes 6,913 contract releases, 19,077 Purchase Orders, and 225,313 P-Card transactions.
- o Completed and issued one Advance Planning Document for review or approval associated with REDOX Canyon Roof Replacement.
- o Contract 57425-00 was awarded on June 25, 2015, to BNL Technical Services, LLC for “Contract Radiological Control Technicians.” The value of this contract (base period) is \$117,857.
- o Contract 57406 was awarded on June 17, 2015, to Pajarito Scientific Corporation (PSC) for the “PFP NDA Program - Independent Subject Matter Expert.” Award amount is NTE \$318,310.92.00 (with a Limitation of Funds of \$100,000).
- o On June 18, 2015, CHPRC awarded Contract 53920-6 to Hiline Engineering & Fabrication Inc. for the “Sludge Treatment Project Engineered Container Retrieval and Transfer System Procurement Set 9 - STSC Assemblies.” The value of this contract is \$2,561,396.50.
- o On June 25, 2015, CHPRC awarded Contract 53920-7 to Hiline Engineering & Fabrication Inc. for the “Sludge Treatment Project Engineered Container Retrieval and Transfer System Procurement Set 10 Truck Scale.” The value of this contract is \$195,067.95.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance and Change Management (CC&CM)**

- o In June, CC&CM received and processed seven contract modifications (numbers 408, 412-417) from RL. One of these MODS definitized Change Order 262, which was definitized after the 180 day metric. CHPRC provided the necessary documentation to allow negotiation within the 180 days.
- o The Correspondence Review Team received and determined the distribution for 54 incoming letters/documents. The Prime Contract Compliance Manager reviewed 38 outgoing correspondence packages.
- o Submitted a Notice of Change for Pre-Existing Condition – Canister Storage Building, Air Operating Permit Effluent Flow Rate Limit (letter CHPRC-1502094).
- o Submitted a Notification of Impacts to Completion of Environmental Restoration Disposal Facility Leachate Transfer Line Construction (letter CHPRC-1500310.1).
- o Worked with RL to obtain authorization for the accelerations on the Buy Back List and worked with RL Contracts on Mods 413, 414, and 415, authorizing the NTE values for FY2015.
- o Processed one Request for Services (RFS) for RF2053, to support disposal of Naval Reactor Coolant Pumps.
- o Continued to work with RL on revisions to the FY2016 Performance Evaluation and Measurement Plan (PEMP).

Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Change Proposals submitted after the due date	Request for Equitable Adjustments submitted	Supplemental Information submitted/ Tina Sweep	Change Proposals Definitized on or ahead of 180-day metric	Change Proposals Definitized after 180-day metric	Other Proposals/ REAs Definitized
2	1	1	2	0	1	0

- o Estimating & Program Support (ESS) provided the following support to the Projects:
- Plutonium Finishing Plant (PFP):
 - Participated in RL reviews of the PFP Demolition Capital Asset Project on June 25, 2015.
 - Provided a briefing to RL regarding the Rough Order Magnitude estimate that was developed to support decision making for the removal of foundation slabs for 236-Z and 242 buildings. RL accepted the information and cancelled the request for a proposal that was sent to CHPRC on May 5, 2015.
 - Dispositioned as closed, CO 270, PFP 243ZA Pit Piping Equipment and Tank(s) Removal and Disposal during Demolition, after researching PRC scope and discussing existing baseline estimate work scope and cost. CHPRC notified RL that while the work is recognized as a change, the costs are not material compared to the existing contract price and a proposal would not be submitted. RL is considering the addition of the five days estimated to perform the work to the contract.
 - Sludge Treatment Project (STP):
 - Submitted the results of a TINA review for the Request for Equitable Adjustment (REA) related to FY2013 Sequestration, on June 3, 2015.
 - Participated in a corporate review of the STP Capital Asset Project technical, cost and schedule components during the week of June 22, 2015. The preliminary feedback from the review team identified additional work that is required to stabilize the work scope, define the critical path, estimate activities, and complete the documentation of the estimate basis.
 - K Basin Operations and Plateau Remediation (KBO&PR) Project:
 - Submitted REA 1538, 231-A-DR-11 Concrete Box Mitigation, on June 15, 2015.
 - Received and initiated proposal efforts for 16 FY2015 Buy-Back COs associated with PBS RL-0013 (11 each) and PBS RL-0040 (5 each).
 - Received and initiated proposal efforts in response to CO 289, Transfer of River Corridor Closure Contract (RCCC) Work Scope to CHPRC, on June 24, 2015.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Received Modification 408, definitizing CO 262 Addition of Membrane Bio-Reactors at 200 West Pump-and-Treat, dated June 24, 2015.
 - Submitted a proposal in response to CO 268, Decommission of Cone Penetrometers and Soil Tubes at 1100-EM-1, on June 10, 2015. An abbreviated proposal format was utilized on this FY2015 Buy-Back work scope.
 - Submitted a proposal in response to CO 271, Tri-Party Administrative Record Update, on June 30, 2015. An abbreviated proposal format was utilized on this FY2015 Buy-Back work scope.
 - Conducted a TINA review of CO 266, 100-BC-5 Operable Unit Construction and Operation and Maintenance of Transfer Pipelines, on June 2, 2015. Results will be submitted to RL once CHPRC receives a subcontractor's estimate for pipeline construction.

- Received and initiated proposal efforts for two FY2015 Buy-Back CO's. Abbreviated proposals will be submitted for proposals that are less than \$750,000 in proposed price.
- Project Technical Services:
 - Provided an estimate for use in establishing the project cost for the excavation and encasement of pipeline (sewer and water line crossing) in the 200 East Area.
- **Earned Value Management System (EVMS) Compliance and Reporting**
 - o Supported review of the submittal to DOE-HQ OAPM for the Plutonium Finishing Plant (PFP) Capital Asset Project ICE review.
 - o Supported efforts associated with the development of the implementation of the Capital Asset Project (CAP) within the Sludge Treatment Project (STP).
 - o Continued efforts associated with the submittal of the Annual Performance Measurement Baseline (PMB) update, which is due to RL on July 30, 2015.
 - o Finalized the training material package for a two day CHPRC EVMS training class. The class, which is planned to be presented in September, is intended to enhance CHPRC personnel's knowledge in the management of projects via earned value methodology.
 - o Continued efforts to increase EVMS awareness and effective variance analysis reporting by providing enhanced variance analysis training to CHPRC Project Manager, Control Account Managers, and Project Controls personnel. This initiative also included bringing in seven independent Subject Matter Experts in the month of June to mentor CAM'S on the preparation of Variance Analysis Reports.
- **Strategic Planning and Integration**
 - **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Continued to facilitate resolutions regarding issues involving MSA/WRPS and the current proposed site layouts for trailer/parking installations on or near CHPRC WIDS sites.
 - Completed review and update of the Hanford Site Interface Management Plan.
 - Continue support of 207A South Retention Basin planning for D&D of the basin. Coordination with WRPS is required and will involve drafting an interface agreement to document project schedules and competing priorities.
 - Facilitating CHPRC response to MSA regarding Unsecure Core Construction Repairs/Corrections. Completed internal review of the draft annual ISAP brochure and backup portfolio files. Activity included closing out RCR comments to support finalizing the document deliverable.
 - Clarified process for priority/rush Sample Analysis work that can be started prior to formal transmittal of the SLA revision.
 - o Annual Forecast of Services:
 - Status of FY2015 UBS being communicated to MSA as appropriate.
 - Completed development of preliminary FY2016 annual usage based services forecast. Worked with projects and MSA to coordinate staffing highs/lows (Fleet, Motor Carrier and Crane & Rigging) for FY2016 planned scope.
 - o Inter-Contractor Issue Resolution:
 - Attend weekly field interface and resource allocation meetings.
 - Participate in regular Interface Management leadership meetings with MSA and WRPS.
 - Participated in the monthly Contractor Interface Board meeting with MSA and WRPS.
 - Continue working with Hanford Fire Department, CHPRC Projects (SWOC/PFP), and CHPRC Work Control to improve communications, and streamline planning/corrective maintenance items.

- Continue facilitating discussions between WRPS and CHPRC regarding review of the WIDS work for others SOW.
- o Controlling and Service Agreements:
 - TOC-AIA-PRC-00031 Revision 1, Operations Interface for Activities within or Adjacent to Nuclear Facilities, in process.
 - In process items: Bio Controls AIA, Water ICD, and ERDF Leachate ICD (ERDF ICD on hold awaiting regulatory direction).
 - Continued efforts in supporting annual review of the J.3 Service Delivery Documents.
 - Working WESF personnel to help evaluate need for interface agreement with MSA utility providers involved with WESF and other DWF&RS facilities.
 - Drafting AIA with WRPS to support the 207A South Retention Basin D&D project.
 - Issued revision to HNF-48239, *Roles and Responsibilities for the Safeguards and Security Program AIA between CHPRC and MSA for Safeguards & Security Services*.
 - Published HNF-23474, Revision 2, Interface Control Document between CHPRC and Johnson Controls Inc., for Hazardous Energy Control.
 - Canceled CHPRC000415, Revision 2, AIA for use of Super-dump Equipment to Support CHPRC Waste Transportation and Disposal by Construction Forces between CHPRC and MSA.
 - Canceled CP-42979, Revision 1, AIA for MSA Motor Carrier Services and Fleet Maintenance Support to CHPRC “Ready to Serve” Waste Transportation and Disposal at the Environmental Restoration Disposal Facility between CHPRC and MSA.
 - Conducted first half of FY2015 Annual Document Reviews of CHPRC Administrative Interface Agreements.
- o J.13/J.14 Tables:
- o Internal Operations:
 - Assigned and working CRRS item CR-2015-0924 addressing efficient communications between Hanford Fire Department and CHPRC facility work management representatives.
 - Continued routine discussions with CHPRC equipment calibration lead regarding performance issues of the subcontractor providing calibrations services.
- **Information Management**
 - o Equipment labeling and user training is currently underway for the Respiratory Protection Equipment Tracking automated system. System roll-out is planned for Monday, July 20, 2015.
 - o Provided IT, event logistics, and facilitation support to EZAC, President’s Zero Accident Council (PZAC), and Leadership Impact Initiative training.
 - o Provided information clearance and release support for 100K, S&GRP, DWF&RS, SHS&Q and PTS documents.
 - o Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
 - o Additional support has been placed at the MO-287 Records Processing Center to meet increased demands and planned upcoming PFP records retrieval.
 - o Processed 12,675 Electronic Records into the IDMS.
- **Performance Analysis and Risk Management Integration (PARMI)**
 - o In June, the Productivity Tracking Log (PTL) was rolled out and is now available for data input by the Projects. Field Presentations and Training continued to be provided.
 - o The first meeting between the Contractor Assurance and Regulatory Reporting, PARMI, and Projects was held in June. The purposes of the Monthly meetings are to review productivity data, to determine if trends exist across the CHPRC, and to provide recommended actions related to Corrective Actions.

- o Progress continues to be made towards completion of the Productivity Corrective Actions. 11 of 24 actions (40%) have been completed.
- o Progress continues to be made in the development of the Variance Analysis Tool and integration of Field Execution Schedule data into the PTL.
- o PARM staff facilitated a CH Corporate Integrated Cost and Schedule review of the STP Capital Asset. PARM staff also participated as a part of the review team.
- o PARM Risk Management staff provided Risk Analysis for the PFP Capital Asset Project-2, the STP Capital Asset Project, and numerous BCR.
- o The Quarterly Risk Management interface meeting with RL was held in June.
- o Several Risk Management and Project Management documents were drafted in June and entered into the formal procedure review cycle.

Project Technical Services (PTS)

- **Central Engineering**
 - o **Engineering Services**
 - Initiated a process for creating an interface control document for work with the MSA Electrical Utilities organization.
 - Commenced an impact analysis for the next revision of DOE-0359, Hanford Site Electrical Safety Program.
 - Supported the STP in the analysis of the 105KW basin roof structure, basin grating support structure and basin monorails for placement of booster pump skid.
 - Completed the S&GRP evaluation of the extent of soil subsidence and required setback distance for the drilling rigs.
 - Supporting DWF&RS, WESF project W-130 in the revision of the WESF structural evaluation (CHPRC-02270) in support of the hot cell grouting.
 - Completed and published the Natural Phenomena Hazard (NPH) procedures, CHPRC-PRO-EN-097 Rev.2. This is in compliance with Contract No. DE-AC06-08RL 14788 - Contractor Requirements Document (CRD) DOE O 420.1C, (Supplemented Revision 0), Facility Safety, Change Order 242.
 - Supporting development of an administrative interface agreement between CHPRC, MSA, and WRPS to specify the welding program responsibilities between the contractors.
- **Procedures and Training**
 - o Completed training management assessment PTS-2015-MA-11783 on Student Evaluation.
 - o Participated as a steering committee member in the national Procedure Professionals Association Symposium. Met with association decision makers on the path forward for RL adoption of industry procedure writing standards.
 - o Facilitated the 22nd Leadership Impact Initiative workshop.
 - o Worked with Performance Assurance to develop materials for the Achieving Successful Performance briefings.
 - o Leading a multi-contractor effort to help Columbia Basin College develop a new Essentials of Supervision curriculum. The curriculum will be generic enough for general industry applications while meeting the needs of Hanford contractors.
- **Operations Program**
 - o Finalized annual Emergency Preparedness Program assessment with home office support
 - o Supported document request for RL triennial assessment of the CHPRC emergency preparedness program. Field work will commence early August 2015.
 - o Supported Environmental Programs supplying information on emergency preparedness for permit renewal.
 - o Continued supporting the projects with fire system maintenance tracking

- o Conduct of Work Mentors focusing on hazard control implementation in the field and providing subcontractor oversight.
- **Project Delivery**
 - o **S&GRP**
 - Continued bonding of Dual Wall HDPE pipe on BP5 Transfer line, to date 3.5 miles (18,500 LF) on line 1 has been completed.
 - Completed bonding of main line 6” HDPE pipe at well HJ22 and HJ23, 5.8 miles (31,000 LF) installed (100 Area). Bonding remains at flush connections points only.
 - Continued with the piping and infrastructure modifications at the 200W Pump-and-Treat facility.
 - CCD was signed and facility handed over to Operations on the 100HX Process Building.
 - Performed the tie in and CCD of 6 additional wells in support of S&GRP realignments.
 - o **DWF&RS Projects**
 - Completed roof repairs at 105KW.
 - Mobilizing to perform CWC facility roof repairs.
 - RFP issued for solicitation of bids for the REDOX roof recover.
 - RFP issued for the solicitation of bids for the maintenance and inspection of 22 Reactor Compartment Disposal (RCD) Packages in Trench 94.
- **KW Annex Construction**
 - o Continued wire installation testing, welding/installation of the low purge air piping, and continued insulating/labeling of the HVAC return ductwork.
 - o Continued installation of the fire piping in the change room, and completed integrity testing of the fire piping in the building.
 - o Completed the Cleanliness test for all the galvanized HVAC duct work in the building.
 - o Completed welding/installation and integrity testing of the IXM piping in the building.
 - o Completed the concrete placement for the interior hose-in-hose lid placement cover over the 2” shielding plate.
 - o Seven out of 10 of the Construction Acceptance Testing procedures issued.

Communications

- o Promoted and supported media coverage of cleanup progress at the Hanford Site through newspaper, television, and social media outlets. Newspaper and television mediums covered the future budget at Hanford and its impacts on the long-term storage of cesium and strontium capsules held at the WESF, and a photo story on the Manhattan Project featured photos and descriptions of Hanford facilities such as F Reactor, B Reactor and the PFP.
- o Supported the regulatory process for the 207-A Basin closure plan and M-091 Tri-Party Agreement Milestone Changes for retrieving, characterizing and shipping mixed low-level waste and transuranic mixed waste. Support included developing and distributing the required public involvement documents for advertisements, fact sheets, email notices, closure plans and milestone change plans.
- o Hosted five public tours at the 200 West Pump-and-Treat facility in support of the Hanford public tour season; positive feedback was received from tour guides. In addition, supported a DOE-EM tour with Mike Nartker, DOE-EM Public Affairs, who visited projects including the PFP, the WESF Facility and 200 West Pump-and-Treat.

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%	(0.0)	-28.9%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	(0.0)	-89.1%
General Counsel	0.1	0.1	0.1	0.0	0.0%	(0.0)	-3.5%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-17.5%
Safety, Health, Security and Quality	0.6	0.6	1.0	0.0	0.4%	(0.4)	-55.8%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.1	17.3%
Business Services	1.4	1.4	1.6	0.0	0.0%	(0.2)	-15.9%
Prime Contract and Project Integration	1.5	1.5	1.5	0.0	0.0%	0.1	5.2%
Project Technical Services	0.5	0.6	0.6	0.0	3.2%	(0.0)	-2.3%
Indirect WBS 000 Total	4.8	4.8	5.4	0.0	0.4%	(0.6)	-11.6%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

CM Schedule Performance: (\$0.0M/0.4%)

Variance is within reporting thresholds.

CM Cost Performance: (-\$0.6M/-11.6%)

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	1.2	1.2	1.5	0.0	0.0%	(0.2)	-18.6%	1.7
Internal Audit	0.5	0.5	0.9	0.0	0.0%	(0.4)	-82.1%	0.7
General Counsel	0.9	0.9	0.8	0.0	0.0%	0.1	11.2%	1.2
Communications	0.7	0.7	0.9	0.0	0.0%	(0.1)	-17.5%	1.0
Safety, Health, Security and Quality	9.6	9.6	8.7	(0.0)	-0.0%	0.1	9.4%	13.6
Environmental Program and Strategic Planning	3.1	3.1	3.0	0.0	0.0%	0.1	3.7%	4.3
Business Services	13.4	13.4	13.9	0.0	0.0%	(0.6)	-4.2%	18.7
Prime Contract and Project Integration	14.6	14.6	13.6	0.0	0.0%	1.0	7.2%	20.4
Project Technical Services	5.2	5.2	5.3	(0.0)	-0.1%	(0.1)	-1.4%	7.3
Indirect WBS 000 Total	49.2	49.2	48.4	(0.0)	-0.0%	0.8	1.6%	68.9

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

Variance is within reporting thresholds.

FYTD Cost Performance: (+\$0.8M/+1.6%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-15-044R0 – *HPIC Updates – June 2015*

BCR-PRC-15-043R0 – *Undistributed Budget Adjustments – June 2015*

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

-  Increased Confidence
 -  No Change
 -  Decreased Confidence
- *Red arrow indicates realized risk
*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments			
		Month	Trend				
Executive Level Risks							
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for the month of June .							
Realized Risks (Risks that are currently impacting project cost/schedule)							
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat. Risk Handling Strategy: Avoid Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 40 days		Risk Event: CHPRC continues to experience higher than anticipated attrition for FY2015.				
			Risk recovery action(s)		Risk Date	FC Date	%
			Implement salary increase fund		FY2015	Complete	100
			Proposed PFP incentive program			Complete	100
			Draft retention and recruiting plan investment for FY2015.			09/15/15	35
Develop/implement CHPRC People Legacy Program.			On-Going	N/A			
Recovery Action Assessment: Risk recovery date slipped; however, this does not result in additional impacts. Human Resources is currently working to provide temporary resources to assist in this effort. CHPRC continues to increase recruitment, and analysis of comparable markets for salary competitiveness. Potential problems exist pending funding profiles for other site contractors. No alternative course of actions needed at this time.							
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)							
No critical risks identified in the month of June .							
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)							
No high threat value risks identified in the month of June .							
Unassigned Risks (Pending ownership of identified risks/opportunities)							
CHPRC will conduct internal reviews to ensure risks are still valid. In cases where risk has passed/or is no longer valid CHPRC will no longer report, and close the risk in the database. In the event risk are still valid ownership will need to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.							

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.