

Monthly Performance Report

October 2014

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

 **CH2MHILL**
Plateau Remediation Company
P.O. Box 1600
Richland, Washington 99352

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APPROVED

By Lee Ann Snyder at 3:35 pm, Nov 24, 2014

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
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October 2014
CHPRC-2014-10, Revision 0

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EXECUTIVE SUMMARY

- October 2014 marked the second fiscal year of CH2M HILL Plateau Remediation Company's execution of the 5-year option period of the Plateau Remediation Contract.
- The Plutonium Finishing Plant (PFP) Closure Project team completed deactivating 75 percent of the facility. Crews removed three gloveboxes from the E4 ventilation system and sealed out ten pencil tank units. Currently, 90 percent of gloveboxes have been removed from E4, and 82 percent of pencil tank units have been sealed out.
- The Soil & Groundwater Remediation Project (S&GRP) completed Revision 3 of the 200 West Pump-and Treat Operations and Maintenance plan incorporating the 200-UP-1 uranium system. The project also completed drilling one of two extraction wells for the uranium plume and moved the web-based annual Pump-and- Treat performance reports to the HLAN production server on October 26.
- The Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) and Project Technical Services (PTS) teams continued construction of the KW Annex that will house the systems and equipment used to retrieve highly radioactive sludge. Crews completed the shell of the KW Annex and began installing building services equipment. Parts one and two of the KW Annex construction FY2015 Performance Measure are scheduled to be completed by the end of FY2015. Additionally, DWF&RS crews removed nearly 1,100 feet of steam line near PFP.



PFP employees seal out a Pencil Tank.

- Project Technical Services (PTS) hosted the President's Zero Accident Council (PZAC) meeting for October 2014. The three main themes for the meeting were:
 - Be Aware of Signs, Demonstrate Safety 24/7
 - Be Aware of Sign Fatigue and Work Daily to Combat It
 - Challenge Yourself To Come Up With Innovative Ways to Notice Signs

The October PZAC marked the first for new CHPRC President and CEO John Ciucci and he kicked off the meeting by highlighting his expectations to work safely, act with integrity, and set a high bar for performance. The remainder of the PZAC meeting including updates and announcements on core programs and topics:

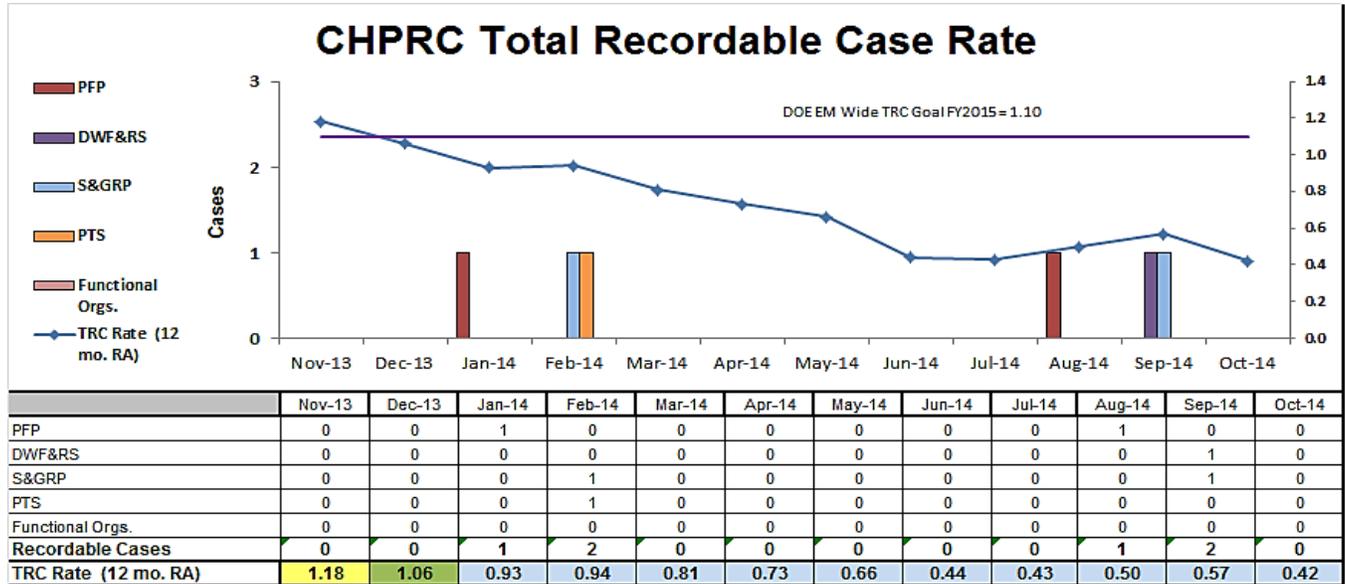
- A report describing the lessons learned from an injury where an employee fell while walking through a parking lot, resulting in a broken finger.
- VPP update, including five CHPRC employees who supported a VPP assessment for another Hanford contractor and a reminder that October is Fire Prevention Month.
- Injury and illness performance review
- Good News Stories highlighting an electrician who discovered a facility termination box hanging and off its wires. The employee recognized the potential hazard, immediately reported it to the facility manager and the problem was fixed.
- Information on how to participate on the Community Legacy Project
- Stretch and Flex
- Four "Thinking Target Zero" (TTZ) bulletins were published in October to convey important occupational safety, health and environmental messages:
 - Drive Safely Work Week
 - Cyber Security
 - Daylight Saving Time
 - VPP Management Leadership
- October *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - CHPRC President and CEO John Ciucci's Expectations
 - Security Badge Accountability
 - Fire Prevention Month: Reducing Fire Risk and Injury
 - Motor Vehicle, Heavy Equipment and Bicycles Procedure Updates
 - Time Change
 - "What Would You Do?" Ethics Awareness messages
 - Injury/Illness Summaries and the TTZ of the week
- CHPRC Weekly Updates in October included a blog by President and CEO John Ciucci discussing key areas to achieve CHPRC's mission, including setting the standard for safe and compliant cleanup. New Chief Operating Officer (COO) Bill Kirby issued a blog outlining his vision of CHPRC, including working safety 24/7, leading by example, and challenging employees to keep themselves and their coworkers safe. A new section of the Weekly Update called Kudos Corner was introduced in October. Kudos Corner recognizes CHPRC teams and employees for acts of safety on and off the job. October kudos went to the electrician highlighted in the PZAC article above, as well



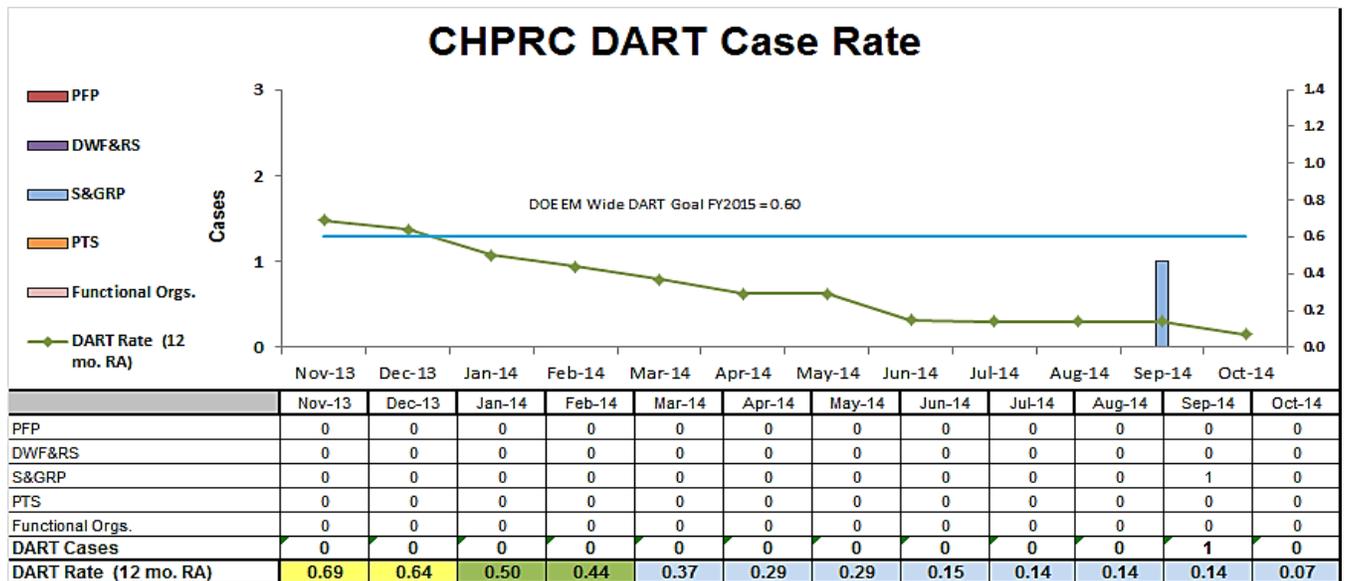
as an Environmental Specialist who volunteered to provide Automated External Defibrillator (AED) support at a facility and an Operations Specialist who opens up his home each Halloween for a haunted house that is designed with appropriate materials, cautions, and pathways to limit slips, trips, and falls.

TARGET ZERO PERFORMANCE October 2014

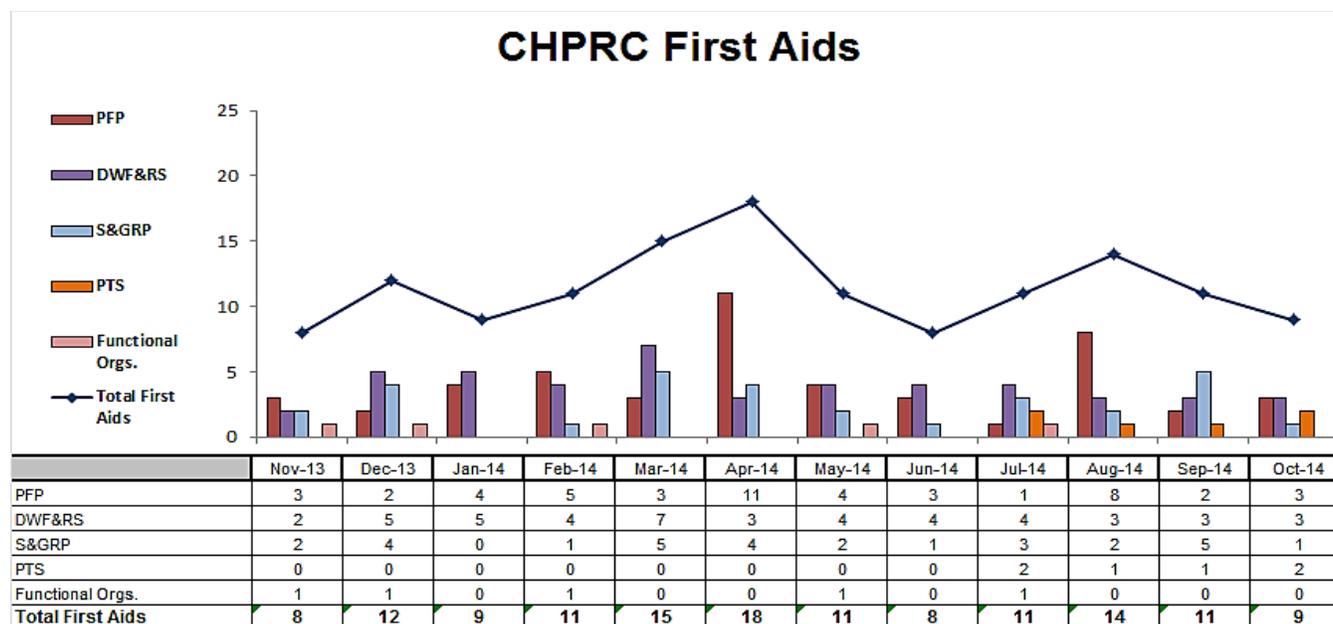
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.42 is based on a total of six Recordable injuries. There were no Recordable cases in October. There are no cases currently being evaluated/investigated for potential recordability.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.07 is based upon a total of one Days Away case. The 12 month rolling average DART rate of 0.07 is based upon a total of one Days Away case. There were no DART cases in October. There was an injury that occurred on September 30, 2014 that was updated to DART.



First Aid Case Summary – CHPRC reported nine first-aid cases in October 2014; of these nine cases, six cases required no treatment. There were two self-treated injuries. The contributors were five abrasion/contusions, two sprains / strains / pains, one eye irritation, and one insect bite/sting.

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			Variance
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	7.1	7.9	7.0	0.8	1.0	739.0	707.1	743.8	(31.9)	(36.7)	937.4	965.6	(28.2)	
RL-0012 - SNF Stabilization & Disposition	4.9	5.0	4.5	0.2	0.5	442.6	448.9	461.4	6.3	(12.5)	692.6	725.2	(32.6)	
RL-0013 - Solid Waste Stab & Disposition	6.4	6.1	4.8	(0.4)	1.3	885.5	887.3	850.6	1.7	36.7	1,344.5	1,253.7	90.8	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.6	8.8	7.2	(0.7)	1.6	1025.9	1022.9	1009.9	(3.0)	13.1	1,518.8	1,469.4	49.4	
RL-0040 - Nuc Fac D&D - Remainder	0.7	1.0	1.1	0.3	(0.1)	390.2	390.0	359.3	(0.2)	30.7	478.4	449.4	29.0	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.3	0.2	0.2	(0.0)	0.0	310.7	310.6	282.6	(0.1)	28.0	394.6	364.8	29.8	
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	0.1	0.0	0.1	18.3	18.3	15.1	(0.0)	3.2	26.5	20.0	6.5	
(Numbers are rounded to the nearest \$0.1M)	Total	29.1	29.2	24.8	0.1	4.4	3,812.2	3,785.1	3,722.7	(27.1)	62.4	5,392.8	5,248.1	144.7

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$144.7 million with \$78.4 million of Management Reserve for a total positive variance of \$223.1 million.

For October and FY2015, the project was 0.5 percent ahead of schedule and 14.9 percent under planned cost. The favorable cost variance in October was due to the accelerated purchase of IX train resin for 200-UP-1 uranium treatment in September that was planned in October and planned efficiencies experienced in multiple projects.

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	118.4	114.2	4.2
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	81.7	81.0	0.7
RL-0013	Waste and Fuels Management Project	86.6	83.3	3.3
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.8	136.9	0.9
RL-0040	Nuclear Facility D&D, Remainder of Hanford	12.5	12.3	0.2
RL-0041	Nuclear Facility D&D, River Corridor	6.8	6.6	0.2
RL-0042	Fast Flux Test Facility Closure	1.4	1.3	0.1
Total Base:		445.1	435.6	9.5

Funds/Variance Analysis:

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

BASELINE CHANGE REQUESTS

In October 2014, CHPRC approved and implemented twelve (12) BCRs impacting the PMB. The Change Requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System		
BCR-012-15-001R0	<i>STP Schedule Corrections</i>	This Baseline Change Request (BCR) moves a single activity from one WBS to another within the same control account and changes the start date of another activity without changing the yearly BCWS. These two actions correct omissions from two previous BCRs. Additionally, this BCR changes the earned value method of two activities. This BCR did not change the PMB value.
BCR-030-15-001R0	<i>CO #260, 100-NR-2 Operable Unit Bioventing System</i>	This BCR incorporates scope associated with the Change Order (CO) 260, 100-NR-2 Bioventing, Not to Exceed (NTE) amount of \$200K authorized via Contract Modification (CM) 357. This change increased the PMB by \$200K.
BCR-030-15-002R0	<i>Detailed Planning for 100-HR-3 Transfer System</i>	This BCR modifies baseline activity 30.13.08.01.0110 – HR-3 Perform D&D or Re-Purpose of Transfer System Buildings, Piping & Exterior Cable from a Planning Package (PP) into detailed Work Packages (WPs) prior to the start of work. The detailed planning resulted in an increase to Control Account 030.13.08.01 – HR-3 D&D due to unexpected growth in the resources required to perform the scope. The amount of the increase has been transferred from Management Reserve. This change increased the PMB by \$494K.

Change Request #	Title	Summary of Change
BCR-030-15-003R0	<i>Detailed Planning for 100-HR-3 Electrocoagulation Unit</i>	This BCR modifies baseline activity 30.13.08.01.0120 - Perform D&D of Electrocoagulation Unit, Piping & Exterior Cable from a PP into detailed WPs prior to the start of work. The detailed planning resulted in a decrease to Control Account 030.13.08.01 – HR-3 D&D due to less resources being required to perform the scope. The amount of the reduction has been transferred to Management Reserve. This change decreased the PMB by \$839K.
BCR-030-15-004R0	<i>PBS RL-030 Rules of Performance Updates</i>	This BCR changes the EVM technique for ten baseline activities. Six activities are changed from LOE to apportioned, and four activities are changed from 0/100 to “no resources.” This BCR did not change the PMB value.
BCR-030-15-005R0	<i>200W P&T Well Hookup Realized Risk</i>	This BCR adds activity 30.23.03.01.D00050C3A, Hookup of Six Wells for 200-West P&T to Meeting 2000 gpm Nominal Pumping Rate, to reflect partial realization of Risk SGW-159, Ability to Maintain Flow Rates through Pump and Treat Units. Draw down of management reserve is used for realization of the risk. This change increased the PMB by \$1,778K.
BCR-041-15-001R0	<i>Division of Control Accounts Correction</i>	This BCR corrects an error in BCR-041-14-004R0 by changing the Control Account number from 041.02.03.04: 100-K Group 3 Structures Remediation – Part 2, to 041.02.04.03: 100-K Group 3 Structures Remediation – Part 2. There are no other changes associated with this BCR. This BCR did not change the PMB value.
BCR-PRC-15-001R0	<i>Partial Definitization of CO #251, 200-UP-1 Uranium Treatment at 200W P&T</i>	This BCR incorporates scope associated with CM 355, which partially definitizes CO 251, Perform Necessary and Required Activities Associated with Providing 200-UP-1 Uranium Treatment at the 200 West Facility. Per the modification this BCR also moves PBS RL-0040 waste site regulatory documents and remediation work scope from the PMB to CLIN 7 to maintain PMB alignment with the B.4-1 Table. This change decreased the PMB by \$4,600K.
BCR-PRC-15-002R0	<i>Definitization of CO #255, AWLN in 100-KR-4 and 100-HR-3 OUs</i>	This BCR incorporates scope associated with CM 363, which definitizes CO 255, Automated Water Level Network in the 100-KR-4 and 100-HR-3 Operable Units. Per the modification, this BCR also moves a portion of PBS RL-0040 activity 40.02.10.04.3007 - 231Z Pu Metallurgy Lab Part 1 from the PMB to CLIN 7 to maintain PMB alignment with the B.4-1 Table. This change decreased the PMB by \$261K.
BCR-040-15-003R0	<i>Definitization of CO #254, CP Inner Area Cleanup Principles/Risk Assessment</i>	This BCR incorporates scope associated with CM 359, which definitizes CO 254, Central Plateau Inner Area Cleanup Principles/Risk Assessment and Modeling Parameters. Per the modification, this BCR also moves a portion of PBS RL-0040 Waste Sites Project Management scope and OHC Support to CP Waste Sites scope, from the PMB to CLIN 7 to maintain PMB alignment with the B.4-1 Table. This change decreased the PMB by \$1,000K.
BCR-PRC-15-004R0	<i>Definitization of CO #253, 100 K Boreholes Phase I</i>	This BCR incorporates scope associated with CM 364, which definitizes CO 253, Supplementary Characterization of UPR-100-K-1 and 116-KE-3 Phase I. Per the modification, this BCR also moves a portion of PBS RL-0040 activity 40.02.10.04.3007 - 231Z Pu Metallurgy Lab Part 1 from the PMB to CLIN 7 to maintain PMB alignment with the B.4-1

Change Request #	Title	Summary of Change
		Table. This change decreased the PMB by \$469K.
BCR-PRC-15-008R0	<i>Definitization of CO #249, Installation of Leachate Transfer Line from ERDF to 200W P&T</i>	This BCR incorporates scope associated with CM 368, which definitizes CO 249, Installation of the Leachate Transfer Line from Environmental Restoration Disposal Facility to the 200 West Pump and Treat Facility (Supplemental Submittal). Per the modification, this BCR also moves a portion of PBS RL-0040 activity 40.02.10.04.3007 - 231Z Pu Metallurgy Lab Part 1 from the PMB to CLIN 7 to maintain PMB alignment with the B.4-1 Table. This change decreased the PMB by \$668K.

Overall, the contract Performance Measurement Baseline budget decreased \$5,365K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-030-15-002R0	<i>Detailed Planning for 100-HR-3 Transfer System</i>	2015 - 2018	\$-494K
BCR-030-15-003R0	<i>Detailed Planning for 100-HR-3 Electrocoagulation Unit</i>	2015 - 2018	\$ 839K
BCR-030-15-005R0	<i>200W P&T Well Hookup Realized Risk</i>	2015 - 2018	\$-1,778K
BCR-PRC-15-002R0	<i>Definitization of CO #255, AWLN in 100-KR-4 and 100-HR-3 OUs</i>	2015 - 2018	\$ 22K

Overall, Management Reserve decreased by \$1,412K.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	N/A	N/A

There were no changes to Fee during October.

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):

October 2014 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
<i>September 2014 Estimate</i>									
PMB	3,391,477	391,653	447,453	430,578	368,545	368,469	2,006,698	5,398,175	5,398,175
MR	0	0	7,202	21,000	21,000	30,649	79,852	79,852	79,852
Fee	155,504	14,325	13,480	19,800	8,800	16,573	72,978	228,482	228,482
Total	3,546,981	405,978	468,136	471,378	398,345	415,691	2,159,528	5,706,509	5,706,509
<i>October 2014 Change</i>									
PMB									
Change to PMB	0	0	4,258	52	-5,885	-3,790	-5,365	-5,365	-5,365
MR									
Change to MR	0	0	-918		-494	0	-1,412	-1,412	-1,412
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	3,340	52	-6,379	-3,790	-6,777	-6,777	-6,777
<i>October 2014 Estimate</i>									
PMB	3,391,477	391,653	451,711	430,630	362,660	364,679	2,001,333	5,392,809	5,392,809
MR	0	0	6,285	21,000	20,506	30,649	78,440	78,440	78,440
Fee	155,504	14,325	13,480	19,800	8,800	16,573	72,978	228,482	228,482
Total	3,546,981	405,978	471,476	471,430	391,966	411,901	2,152,751	5,699,731	5,699,731

Changes to/Utilization of Management Reserve in October 2014

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
<i>September 2014 MR Totals</i>								
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	1,750	3,000	2,500	8,828	16,078	16,078
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	600	3,450	2,800	7,000	13,850	13,850
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	7,202	21,000	21,000	30,650	79,852	79,852
<i>October 2014 MR Changes/Utilization</i>								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	-918		-494	0	-1,412	-1,412
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	-918	0	-494	0	-1,412	-1,412
<i>October 2014 MR Totals</i>								
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	600	3,450	2,800	7,000	13,850	13,850
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	6,284	21,000	20,506	30,650	78,440	78,440

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods 10/1/2008 - 10/31/2014				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
				Contract-to-date awards:	\$2,156,938,333
				Bal remaining to award:	\$249,912,227
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,086,530,691	50.37%	49.3%	\$1,186,577,326	\$100,046,635
SDB	\$186,883,351	8.66%	8.2%	\$197,361,746	\$10,478,394
SWOB	\$212,936,845	9.87%	7.5%	\$180,513,792	-\$32,423,053
HUB	\$36,376,977	1.69%	2.2%	\$52,950,712	\$16,573,735
VOSB	\$126,800,082	5.88%	3.5%	\$84,239,770	-\$42,560,313
SDVO	\$61,896,199	2.87%	1.3%	\$31,289,057	-\$30,607,142
NAB	\$31,211,068	1.45%	N/A		
Large	\$581,548,082	26.96%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,176,792	0.10%	N/A		
GOVT CONT	\$482,866,522	22.39%	N/A		
EDUCATION	\$96,218	0.00%	N/A	Total Contract (mod 371):	\$5,696,680,278
NONPROFIT_	\$3,424,182	0.16%	N/A	17% rqmt:	\$968,435,647
FOREIGN	\$295,845	0.01%	N/A	SB actual:	\$1,086,530,691
Total	\$2,156,938,333	100.00%	N/A	Bal to rqmt	-\$118,095,044

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.1 billion in goods and services with over 50 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

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
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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	3	213 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	250	17,741 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed	9	151 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	-	43 m ³
TRU/TRU-M Shipped	18 m ³	1,418 m ³
LLW/MLLW Shipped	49 m ³	5,930 m ³

Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is at 90 percent complete.

- Completed external isolation and began final internal cleanout of HC-9B.
- Removed HC-7C glovebox from E4 Ventilation
- Completed external process isolations, removal of internal equipment, and final internal decontamination on HC-6 glovebox in 234-5Z Backside Rooms.
- Dispositioned 236-Z PRF Pencil Tanks 29/32 (9 Units).
- Completed size reduction and seal-out of 236-Z PRF Pencil Tanks 30/33 (8 Units).
- Completed size reduction and seal-out of 236-Z PRF Pencil Tank 12 (2 Units).
- Completed Miscellaneous Treatment (MT) 1 and 3 glovebox separation (removed from E4 Ventilation).

EMS Objectives and Target Status

15-EMS-PFP-OB1-T1 Objective and Target has been submitted for approval.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	3	49	<ul style="list-style-type: none"> • 10/14/14 - Employee shut his finger in a car door. Employee was taken to HPMC and returned to work with no restriction. (23497) • 10/30/14 - Employee received contusion to right shoulder, thigh and hand when he fell off a bench while donning Anti-Contamination clothing. The employee was taken to HPMC and returned to work with no restriction. (23507) • 10/30/14 - Employee reported sore knees from work performed repairing steam pipe stating he was kneeling. The employee was taken to HPMC, strain to bilateral knees, returned to work with restriction. (23511)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Received RL approval of the Revision 11 annual update of the Plutonium Finishing Plant (PFP) Deactivation and Decommissioning Documented Safety Analysis (DSA), and Revision 11 of the PFP Technical Safety Requirements (TSRs).
- Initiated implementation of Revision 10 of the Plutonium Finishing Plant (PFP) Deactivation and Decommissioning Documented Safety Analysis (DSA).

11.05 Disposition PFP Facility

242-Z

- Verified no stored electrical energy to gloveboxes and instrument panels
- Applied fixative to Control Room
- Began vent and tap of process lines

RMC

- Completed external isolation and began final internal cleanout of HC-9B in preparation of NDA and internal fixative application.
- Removed HC-7C glovebox from E4 Ventilation.

Backside Rooms

- Completed external process isolations, removal of internal equipment, and final internal decontamination on HC-6 glovebox in 234-5Z Backside Rooms. Preparing to NDA, stabilize associated Pencil Tanks, and apply internal fixative.

236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
 - Dispositioned 236-Z PRF Pencil Tanks 29/32 (9 Units).
 - Completed size reduction and seal-out of Pencil Tanks 30/33 (8 Units).
 - Completed size reduction and seal-out of 236-Z PRF Pencil Tank 12 (2 Units).
- Miscellaneous Treatment (MT) Gloveboxes
 - Completed MT-1 and 3 glovebox separations.

MAJOR ISSUES

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

The following, not related directly to the exothermic reaction, are general fire concerns with polyurethane type foam:

1. The foam products previously tested represent a significant fire hazard. Even with the fire retardants added, the foam will be consumed in a fire event. The HAI report recommended that foamed gloveboxes be protected from exposure to fire with non-combustible materials.
2. In addition to the fire hazard, the foam products produce a significant quantity of soot when burned.
3. As a result of the HAI report, RL is recommending that other, non-combustible products be evaluated.

Corrective Action – PFP has evaluated a non-polyurethane foaming material. During the month of June a vendor placed two different foams into the PFP mock-up glovebox. Evaluations during the demonstration reduced the concerns with any off gassing and exothermic reactions. Evaluations of the foam the next day indicated a slight shrinkage of the foam inside the mockup. Evaluation and testing at the vendor facility during June and July indicated the settling could be resolved by utilization of a screw dispersal pump. A demonstration with a screw dispersal pump was completed in August. During the month of September Southwest Research Institute (SWRI) submitted the final report confirming the foam is nonflammable. In September, size reduction of the three demonstration glovebox sections commenced.

Status – A qualitative evaluation of the ability of the non-polyurethane foam to adhere to the glovebox has been developed, is being reviewed and was originally planned for submittal to RL in October. Unanticipated delays associated with the analysis of the Fire Dam decontamination agent caused the development of this product to be delayed for issuance to RL in November.

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 team is continuing to evaluate material form and distribution aspects of accident scenarios, as necessary for developing more accurate and reasonable accident consequences. Accomplishments include:

- Hazard Analysis final comments being incorporated.
- Fire Hazards Analysis final comments being incorporated.
- Accident Analysis in-process.
- Control Selection Document in-process.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Response Plan Effective
 Response Plan Partially Effective
 Response Plan Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
Overarching PFP Risks				
PFP-062: Ability to Use Perma-Fix Northwest for Glovebox Size Reduction	In the event of Perma-Fix Northwest closing PFP is continuing to evaluate options to perform in-situ size reduction of gloveboxes to mitigate this risk if PFNW is no longer able to accept waste from the facility. In addition PFP will continue to work with CWC for long term storage capabilities.			In the event RL delays off-site shipments to PFNW, PFP will ship to CWC using the approved HNF-0063 Exception letter. PFP shipments to and from PermaFix Northwest have been approved through fiscal year 2015. A concern still remains as to whether enough waste will be generated and shipped to PFNW to continue to provide services to CHPRC. PFP is continuing to monitor this situation. This risk will no longer be monitored in this report due to the successful mitigation actions taken in fiscal year 2014, and lowering the risk probability and impacts. This risk will continue to be monitored and evaluated on a quarterly basis or as needed internal to the project.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13, 2013. Investigation completed in the month of March 2013. Issue Change Order 240, Mitigation of Chemical Lines at PFP was received by CHPRC on October 7, 2013 with a limitation not to exceed \$500K prior to the definitization of the change. A formal change proposal has been developed, formally submitted to RL and discussions are ongoing with RL on the definitization of the change. Although there are still many chemical lines to be drained/removed proper mitigation actions have been placed in work packages to ensure chemical lines are completely evaluated/characterized, and reviewed with field teams prior to actual field work. This risk will continue to be <u>monitored until formal direction is received from RL.</u>
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations were successful to extend respiratory protection time with the ratification of the Collective Bargaining Agreement effective November 11, 2013. The PFP project has implemented extended dives since implementation of the agreement, and longer stay times in the field are being realized. Continuing to implement Breakthrough Initiative number 1, Tool Time actions, and have developed tracking tools to monitor employees' time backside on a daily/weekly basis.
PFP-086: Alternate/Temporary System Capabilities Required Prior to Building Demolition	Management Reserves may be required to acquire equipment and services to provide the required alternate temporary facility system services and functions during demolition preparation. Identify MAR that may remain and identify CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.			Alternate temporary facility system services and functions beyond those currently planned may be required to support building demolition. Currently identifying MAR that may remain and identifying CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluating air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring. Support staff continues to evaluate segregation of 234-5Z. A formal request was sent to the estimating department to develop an estimate to re-route the HVAC system to support PRF only when 234-5Z and 242-Z are ready for demolition. Estimates are expected to be received in the month of November.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-091: Approval of DSA Revisions	A team of professionals has been assembled to develop the DSA revision to support open air demolition of a Hazard Category II PFP. This effort will be managed as an independent project from PFP daily activities. A partnering approach will be established with RL SMEs and management to expedite the effort and flush out concerns or obstacles early on. This risk is a bounding assumption associated with completion of PFP to Slab-On-Grade.			Staff is in place to support development of Revision 12 of the DSA. Revision 10 has been approved by DOE and is in the implementation process. Revision 11 has been approved by DOE and will be implemented upon the completion of Revision 10 implementation. Development of Revision 12 to the DSA is currently focused on completion of Control Selection and the Accident Analysis. Comments on the paper addressing revised ARF*RF values have been received and are being evaluated. Submittal of Revision 12 to DOE is scheduled for the end of December, 2014.
PFP-092: Increased Characterization	Events at the facility may increase the need for characterization above what is planned for cost and schedule.			Characterization results for 234-5Z Duct Level have shown that some ducting may remain in place with appropriate mitigation (e.g. isolation, fixative application, etc.). However, the data shows that a large amount of the pre-filter box duct will need to be removed prior to demolition. Current results provide valuable information that will alter our approach to ductwork characterization. Going forward the project will implement a more targeted approach by coupon sampling to determine duct removal to points in the system where coupons may begin to show lower activity, which would indicate no further removal would be required. This differs from the previous approach of mapping the system to determine the amount of material-at-risk in duct segments to determine mitigation and waste disposition. The current approach to characterization will be to have field work teams collect coupon sample as work is being performed in their respective areas. This will ensure that real time information is received to allow the teams to effectively work on the area vs. system approach.
PFP-074: Unexpected Configuration/Conditions	Unexpected facility configuration or site conditions are encountered during Cold & Dark, or demolition activities.			As a result of a realized risk in April, work packages which have similar demister pipe removal activities were immediately suspended pending investigation and incorporation of possible corrective actions. Mitigation actions were to perform hazard analysis of systems and document them in the work package. Stop work was lifted on June 17. A Notice of Change was submitted to RL for their consideration on June 9, 2014. On August 5, 2014, CHPRC received a letter from the DOE Contracting Officer stating that the cited impacts of the RL-11 Plutonium Finishing Plant work scope do not represent a change to the contract. CHPRC is continuing to evaluate the letter received from DOE and is making a determination on whether to formally respond. While awaiting the decision on path forward for the Notice of Change, PFP has resumed work at the facility segregating costs associated with this type of work.
242-Z Risks				
PFP-242-04: Dose Rates in 242-Z are Higher Than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates.			Planned entries were impacted several days due to stop work associated with the breathing air system in the month of October, but were able to obtain initial radiological surveys that indicated there will not be an issue with dose in 242-Z. The project will monitor this risk through December as work on the gloveboxes in 242-Z is initiated. If trending indicates that Dose Rates are going to be an issue, the project will evaluate impacts to the rest of the project and develop a plan to mitigate recognition of this risk.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-242-05: RM 134 Modifications for size reduction & load out from 242-Z are not authorized	Develop the air-flow, fire protection, and structural requirements during the planning stage to allow for the wall between 242-Z and 234-5Z to be removed. Execute the demolition in accordance with the plan. Identify response team to respond to discoveries proactively to maintain progress.			Working with the field teams to develop more efficient and less intrusive direct waste load out capabilities. This is no longer the approach that the project will be pursuing. Projects will continue to evaluate planning assumptions and update risk registers when applicable. This risk is being closed at the end of November.
PFP-242-06: More RH-TRU than Planned from 242-Z	Utilize results from radiological and analytical characterization to develop size reduction plans. Work with the waste packaging and characterization group to understand requirements for RH-TRU waste and packaging techniques to minimize RH-TRU waste.			242-Z Teams have been established and, working with PFP Waste Operations, have developed work packages which include packaging instructions on RH-TRU waste. This risk will be closed at the end of November.
291-Z Risks				
PFP-291-01: 291-Z Characterization Unknowns	Develop characterization plans and objectives. Review historical documentation of facility construction and accident event reports. Incorporate characterization information into facility work plans and execution documents.			Opportunities are being identified to characterize early during maintenance activities which result in allowance of some of the operating fans to be shut down. The plan of the week/day will be the communication tool to determine when early characterization can be conducted. No opportunities were identified in the month of October to characterize early.
Balance of Plant Decontamination/Decommissioning Risks				
PFP-BOP-01: More Extensive Cleanout/Decon Required	Develop and implement a more detailed process facility characterization plan. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact. Identify approvals required and quantities/materials that may be exempted from removal (i.e. floor tiles, transite, electrical, etc.).			Characterization efforts continue in the duct level following the sampling plan as developed by the Radiological Control and Environmental organizations at PFP. This effort will also be initiated in rooms/areas throughout the buildings to determine if structural items can remain in place as assumed or if decontamination or removal of structural items is needed prior to demolition. Characterization unit survey plans are being developed and will be added into work packages to support ongoing characterization throughout the ready for demolition phase of the PFP Closure Project. No change for the month of October.
PFP-BOP-02: Overall D4 Schedule Impacts From Interferences Between Sub-projects	The facility has developed an integrated priority list for all in-plant activities for resource assignment in accordance with priority. PFP has developed team communication meetings to prioritize resources on a daily basis. External facility resources are prioritized through MSA between PRC subprojects. These techniques ensure the resources are assigned to the highest priority work. Identify new D&D field teams to conduct Walk-downs and Work package development to improve interfaces within subprojects.			Additional field teams have been identified to initiate work in the duct level, and asbestos activities continue. Work package development for removal of process equipment (i.e. Ducting, and filter boxes) was completed in the month of October. Field work supervisors continue to work on qualifications to enable deployment of field teams in the duct level. One field team commenced field activities in the duct level in the month of October to set up for E4 duct removal. In addition, field team sizes are always being evaluated to ensure resources are available when opportunities present themselves to work duct level scope earlier than planned in the current Field Execution Schedule.

PFPP Demolition Risks				
<p>PFPP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo</p>	<p>Work with the CHPRC environmental team to ensure that an understanding of equipment, components, and residual material criterion are understood and bounded for air modeling. Once the residual material/contamination is quantified, work with regulators to identify controls to allow for equipment removal and demolition as planned. Develop and implement plans to document criterion are met.</p>			<p>The current air modeling plan is based on assumptions of what the facility conditions may be at the time before demolition. Characterization activities that are and will be performed will provide actual data that will be used in the model. Based on the model results, the project will make adjustments to its demolition approach. Field characterization survey plans are currently under development. A characterization survey plan has been developed for PFPP ventilation, and field characterization of E4 ducting continue. As characterization unit survey plans are developed, they will be added to work packages. The Air Dispersion Model update for 234-5Z and 291-Z is scheduled to finish Jan-16, 2015; 242-Z April 16, 2015; 236-Z July 20, 2015.</p>
<p>PFPP-DEMO-18: ORR Required for PFPP D4</p>	<p>The readiness activities scheduled in the baseline are appropriate for the risk and complexity of the PFPP & PRF demolition. Ongoing discussions will be conducted with DOE and DNFSB as required within the quarterly startup notification process. Additional resources may be added for preparation and review teams.</p>			<p>PFPP efforts to upgrade the DSA to establish requisite conditions for the deactivation of vital safety systems, evaluate the unique hazards associated with the demolition phase of the project, and establish the commensurate control set for the remaining mission will validate the appropriateness of a readiness assessment versus Operational Readiness Review (ORR). After implementation of Revision 12 of the DSA, the process of identifying ORR vs. RA will be evaluated and the need for the continuation of this risk will be assessed.</p>
PRF Cleanout/Decontamination Risks				
<p>PFPP-PRF-01: PRF Canyon Cleanout Scope Increases</p>	<p>Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach. Failure to achieve end-point criteria to support open air demolition is a basis for Change Request to DOE.</p>			<p>The Characterization strategy has been developed and meetings have been held with project managers to communicate the approach. Efforts are continuing to further define ready-for-demolition criteria for the PRF Facility as it is assumed to be the most challenging to achieve the milestone of slab on grade by September 30, 2016. Dose rate survey results were mapped on September 25th to obtain accurate dose results (unmitigated) to plan manual entries and grouting requirements. Preliminary results indicate that dose is manageable inside the canyon, and planning assumptions have been updated to reflect this data.</p>
<p>PFPP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth</p>	<p>Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.</p>			<p>Canyon Crane worked as expected in the month of October. Engineering will continue to monitor functionality, and make a final decision if additional FY2015 maintenance is required.</p>
<p>PFPP-PRF-21: OPP: 236-Z Floor/Pan Grouting</p>	<p>Following pencil tank removal, the PRF canyon floor will be vacuumed and wiped down. After completing that activity, the floor will be grouted to cover the pans and create a level working surface. From the grouted floor, residual canyon cleanout and wall decontamination will be performed. Upon completion of canyon cleanout, another grout cap will be placed to secure any residual contamination remaining on the floor prior to demolition. This approach eliminates the effort to remove the stainless steel pans from the slab (a process that would damage the slab according to engineering analysis), reduces contamination levels on the floor, correspondingly improving efficiency of manned entries for other canyon decontamination and cleanout efforts, and stabilizes floor contamination from a criticality and contaminant dispersion perspective.</p>			<p>There are no issues at this time and this is work that will be performed in FY2015. In preparation, a grouting concept is being developed and a grout specification is being prepared. This activity will require a revised CSER calculation and DSA USQ evaluation and is currently being worked. Grouting contract is expected to initiate February 2015, and field activities to start November 2015. This opportunity will continue to be monitored closely as the rate of pencil tank size reduction continues to gain efficiencies due to newly deployed field teams.</p>

RMA/RMC Glovebox Removal Risks				
<p>OPPORTUNITY: PFP-GB-01A: High Gram Box Disposition - FOAM</p>	<p>The responsibility for the implementation on the use of expanding foam at PFP has been assigned to personnel within the PFP Special Projects organization and is essentially being managed as a project. Lessons learned from other DOE sites that have used expanding polyurethane foam for similar applications are being used to facilitate implementation at PFP. The Risk Evaluation Board (REB) will be used to employ senior management personnel from CHPRC and DOE-RL to help resolve any significant issues associated with the use of foam.</p>			<p>A qualitative evaluation of the ability of the non-polyurethane foam to adhere to the glovebox has been developed, and is anticipated to be issued to DOE in November. This opportunity will no longer be tracked, and field work for in-situ size reduction will be performed with new tooling and the PreMaire Breathing Air System.</p>
<p>PFP-GB-02: Glove boxes Isolation/Internal Strip out takes longer than planned</p>	<p>Utilize existing drawings, tools and techniques for equipment removal. Gram loading/NDA of gloveboxes has been obtained. Perform additional NDA to determine location of holdup. Perform surgical extraction of high gram items. Evaluate the use of foam or other fixatives to expedite cleanout.</p>			<p>Field teams incorporated lessons learned from similar work that has previously been performed at PFP. This risk will continue to be reported until all gloveboxes are isolated: HC-9B ECD early December, 2014; Column gloveboxes ECD late January 2015; Gallery gloveboxes ECD late February 2015; MT gloveboxes ECD late January 2015; 242 gloveboxes ECD late January 2016. The number of gloveboxes on this risk were revised to ensure all gloveboxes in the facility are tracked. This risk will continue to be monitored throughout completion of work in 242-Z.</p>

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	7.1	7.9	7.0	0.8	11.4%	1.0	12.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (+\$0.8M/+11.4%)

The current month favorable schedule variance is attributed to schedule gained on pencil tank size reduction and MT glovebox work as a result of reassigning more experienced D&D teams to the critical path work scope. In addition, working behind schedule work scope associated with glovebox removal in the 234-5Z Remote Mechanical C (RMC) Line and recognized efficiencies to decontaminate a glovebox hood which was scheduled to be size-reduced at PFNW, resulting in shipment to ERDF resulted in reduced costs. The variance is partially offset by the change in sequence of field work in support of the 242-Z project.

CM Cost Variance: (+\$1.0M/+12.4%)

The current month favorable cost variance is attributed to less required system engineering support for maintenance of vital safety systems, and reduction of maintenance activities required to be performed on these systems as the project nears the mission goal of slab on grade. This allows the craft resources (i.e., electricians, millwrights, pipefitters, etc.) to work on D&D cold & dark activities. Newly identified D&D field teams are performing behind schedule work scope on PRF pencil tank size reduction and miscellaneous treatment (MT) glovebox cleanout and isolation more efficiently, as well as asbestos abatement taking far less effort than planned, and decontamination of a glovebox hood, scheduled to be size-reduced at PFNW, shipping to ERDF resulting in reduced costs. The positive variance is partially offset by lack of progress on D&D scope while a constant staff provides D&D support services (apportioned activities), project management and D&D Manager charges have been higher than anticipated due to support of initiatives that PFP is implementing (i.e., PremAire Breathing Air), and more DSA modifications than originally assumed are also contributing to the variance.

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	739.0	707.1	743.8	(31.9)	-4.3%	(36.7)	-5.2%	937.4	965.6	(28.2)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$31.9M/-4.3%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$36.7M/-5.2%)

The negative cost variance is primarily a result of prior year unrecoverable costs as well as FY2013 Sequestration impacts to D&D work scope and extending Level-of-Effort and support services, consistent with delayed activities, in support of completing Tri-Party Agreement Milestone M-083-00A. In addition, work scope was added to complete chemical mitigation efforts, unexpected repairs were made to the PRF canyon crane, unplanned costs to support implementation of efficiency initiatives at PFP (i.e., foaming and PremAire Breathing Air), and increased training as a result of assignment of new Health Physics Techs (as the result of HAMTC lamping process) to PFP have also contributed to this variance.

Variance at Completion (-\$28.2M/-3.0%)

The Variance at Completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and prior year unrecoverable costs. The project is advancing a strategic path forward to achieve the slab-on-grade completion date of September, 2016. EAC changed during the month of October due to recognized efficiencies in PRF on the MT gloveboxes and Pencil Tank work scope indicating that the work will be completed earlier several months earlier than originally anticipated.

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	118.4	114.2	4.2

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

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 – *Complete Transition of 234-5Z & ZA/243-Z/291-1 & 291-Z Facilities* – and kicks off demolition of the 242-Z/242-ZA and 236-Z facilities leading to completion of the final Tri-Party Agreement milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCRA-PRC-15-009R0 - *HPIC Updates October 2014*

MILESTONE STATUS

(Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a 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-I & 291-Z Facilities	09/30/15		10/25/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		12/7/16	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)



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

October 2014
CHPRC-2014-10, 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 and continued supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex Construction Activities and continued Operator training and familiarization of ECRTS components at the Maintenance and Storage Facility (MASF).
- *The Preliminary Documented Safety Analysis (PDSA) for the Sludge Treatment Project Engineered Container Retrieval and Transfer System (ECRTS) and the Sludge Treatment Project Safety Design Strategy* Letter is under review by RL. Current project schedule estimates RL approval by mid-January.
- ECRTS Project Procurements awarded the fabrication contract for the Sludge Transport and Storage Container (STSC) Vessels and continue to progress the approximately 20 separate procurement packages comprising the ECRTS Procurement work scope.
- Continued testing activities at MASF with post-Integrated Process Optimization Demonstration (IPOD) calibrations, testing on the Engineered Containers and preparations for testing for STSC and cask inerting risk reduction activities.
- MASF Continued Operator training and familiarization with ECRTS components at MASF. Operators reviewed ECRTS Process and Instrumentation Drawings and flowcharts; performed electrical lineup and valve lineup for ECRTS process equipment; received hands-on training on ECRTS process equipment and control panels during retrieval and decant process; and observed MASF engineer and engineering technicians perform ECRTS Sand Filter Backwash.
- T-Plant modifications continued to revise the fire protection equivalency request based on discussions with RL and will re-submit to RL for approval following incorporation of RL input from meetings held earlier in the period.
- Sludge Treatment Project Annex Construction completed the Building Shell construction. Continued work on the roofing system, mechanical equipment, and installation of supports for the electrical panels.
- In-Basin construction continued work on Facility Modification Packages (FMPs) and Work Packages in anticipation of RL approval to accelerate electrical installations and removal of the Engineered Container (EC) top two levels and installation of divider plates and new lids.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	10	<ul style="list-style-type: none"> 10/21/2014 – Employee had tool fall on left hand, causing bruise. Employee was taken to HPMC and returned to work without restriction. (23504)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- The PDSA is under review by RL. Discussions between STP Nuclear Safety personnel and RL were held and will continue as needed through the review period. The current project schedule reflects an RL PDSA approval in mid-January 2015.
- The ECRTS STSC vessel fabrication contract was awarded.
- MASF completed:
 - o Loading of sand into half Engineered Container (EC) in preparation for simulated system runs,
 - o Reconfiguration of nitrogen purge panel ME-601,
 - o Completed “wet” demonstration lift of top two sections of half EC mockup using engineered lifting devices
- The following KW Annex construction activities were completed:
 - o Building shell
 - o Installation of the EPDM roofing system on all 3 roofs and water testing
 - o Installation of Sludge Loading Bay roll-up door #109 on the east side of the facility
 - o Excavation for future installation of hydronic piping along with excavation for ground rod and cable.
- 100K Operations completed Emergency Preparedness full-up drill on October 22, 2014.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS 012				
STP-067A: Safety Significant Components STP-067B – OPPORTUNITY: Safety Classification of SSC's	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with RL to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA will be formally submitted to RL in July 2013. Early procurements of SSC's may be initiated at a higher safety/quality level.			PDSA incorporating the results of supporting analyses and design changes developed to incorporate ECRTS process system nuclear safety initiatives implementation was issued and RL review initiated. Current project schedule projects RL approval by mid-January.
STP-072: Delayed STSC/ECRTS Procurement & Delivery	Identify qualified vendors up-front, conduct fabricator on-site inspections, place CHPRC Quality Control staff at the vendor facility, maintain a prioritized buyback list to initiate early procurements should additional funding be identified, and procure raw materials early to minimize commodity price fluctuations. Develop procurement bundles for equipment that can be prioritized based on funding, vendor availability, and safety documents.			Risk mitigation strategy is effective – At this time, no forecasted delays.
STP-084: T-Plant Transition from Min-Safe Takes Longer than Planned	Initial activities to support the Sludge Treatment Project at T-Plant should include performance of critical assessments/inspection of facility support systems such as fire, ventilation, crane, and electrical to determine condition. Existing spare parts are adequate to ready to support the STP project.			STP schedule analysis identified T-Plant construction support as critical to the overall success to the project. Accelerating T-Plant preparations for construction may enhance the risk mitigation strategy.
STP-111B: Basin ECRTS Installation Contractor/ Subcontractor Performance	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Re-train construction personnel on procedures for performing construction activities. Include in baseline budget to cover additional management oversight support for construction, planning, safety and project management to accommodate the potential impacts. Interface between existing organizations will need to be closely coordinated, planned, and monitored. Mitigation strategy is to provide extensive oversight on subcontractors work scope.			FY2014 buy-back In-Basin Construction work scope was completed. Currently requesting approval from RL to proceed with accelerating FY2016 construction activities.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.			Corrective Action Plan is improving subcontractor field performance. Continued improvement is still required.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews and constructability reviews have been completed, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a streamlined approach for handling contractor submittals and RCIs.			Mitigation strategy is effective at identifying design and constructability issues. However, partially effective as physical changes are required that requires additional time and increased cost.

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	4.9	5.0	4.5	0.2	3.3%	0.5	10.9%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$0.2M/+3.3%)

Variance is within reporting thresholds.

CM Cost Performance (+\$0.5M/+10.9%)

Variance is due to efficiencies achieved by working with central groups to combine resources and reduce overall requirements within the Program Management of the PBS and and delays in implementing planned increases in Operations resources for the fiscal year.

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	442.6	448.9	461.4	6.3	1.4%	(12.5)	-2.8%	692.6	725.2	(32.6)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$6.3M/+1.4%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$12.5M/-2.8%)

Variance is within reporting thresholds.

Variance at Completion (-\$32.6M/-4.7%)

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	81.7	81.0	0.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

The critical path flows through the installation of process equipment, then 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 includes the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

Baseline Change Requests

BCR-012-15-001R0 - *STP Schedule Corrections*.

MILESTONE STATUS

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

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) received 5 tankers – a total of 17K gallons (containing various waste water streams; e.g., Mixed Waste Burial Trench leachate, Ground Water perched water, and Tank Farms condensate). Completed size reduction and repackaging of large fiberglass-reinforced plywood waste box at PermaFix Northwest (PFNW) – 54.4m³ transuranic mixed (TRUM). T Plant down-posted (released) 840 square feet of tunnel cut contamination area. Continued support to Washington River Protection Services (WRPS) and its subcontractor to develop a plan to transition Effluent Treatment Facilities (ETF) to WRPS. Disposed of all Waste Sampling and Characterization Facility (WSCF) drums to Environmental Restoration Disposal Facility (ERDF). Completed engineering structural evaluation of Waste Encapsulation and Storage Facility (WESF) canyon, including videotaping and photographs in support of Project W-130.

EMS Objectives and Target Status

None currently identified.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	31	<ul style="list-style-type: none"> 10/30/2014 – Employee was using a wrench and experienced pain in left thumb. (23512)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued support of CHPRC Legacy projects.

13.02 Capsule Storage & Disposition

- Completed:
 - 26 Preventive Maintenance (PM) work packages
 - Technical Safety Requirement (TSR) Surveillances
 - Radiological (Rad) surveillances
 - Operational surveillances
- Performed:
 - Annual lube and inspection of TK-210 pump

- o 180 day Calibration of K4 Supply Differential Pressure Indicator/ Differential Pressure Regulator and Differential Pressure Transducer
- o Annual 10 Ton hook and drum inspection
- o Two Year Calibration of Pool Cell Pressure Switch K4-PS-1-1
- o Annual Pressure Switch calibrations for K3-PS-1-1 and K3-PS-1-3
- o Canyon Entry Work – completed engineering structural evaluation of canyon, including videotaping and photographs to support Waste Encapsulation Storage Facility (WESF) Stabilization and Ventilation Project (W-130)
- o Quarterly 282B Deep Well Pump operational testing
- o Annual electrical and mechanical PM on Pool Cell 10 ton crane
- o Electrical modification, tie-in and NEC inspection for K1, K2 and K3 portable heaters
- WESF Stabilization and Ventilation Project (W-130):
 - o Prepared and issued Request for proposal (RFP) for the detailed design
 - o Finalized a permitting plan with the Regulators and DOE
 - o Prepared a draft Dangerous Waste Permit Application (Part A) for transmittal to DOE
 - o Prepared a draft Closure plan for transmittal to DOE

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program.
 - o Sampling MCO H-402, MCO Gas Sample and Helium Leak Test
- Completed:
 - o Quarterly Operator Aid audit
 - o Annual Telescoping Door inspection
 - o Semi-annual ISA Pad Safeguards Inventory
 - o Semi-annual inspection of weld station plug assembly
 - o Two year fire barrier inspection
 - o Annual stack monitor calibration
 - o Annual Pressure Differential Indicator calibrations
 - o Annual fire water tank pump and flow indicator maintenance
 - o 25 PM work packages

13.06 TRU Repackaging

- Completed size reduction and repackaging of large fiberglass-reinforced plywood waste box at PermaFix Northwest (PFNW) - 54.4m³ transuranic mixed (TRUM)
 - o Includes the remaining 2.2 m³ required to complete TPA milestone M-91-44T

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Wiring modification on the Chessell® data logger
- Surveillances/PMs:
 - o Six TSR surveillances
 - o Seven PM packages
 - o 42 Rad surveillances
 - o 28 Operational surveillances

13.08 T Plant

- Completed:
 - o 271T Fire Alarm Control Panel annual PM, 271T Radio Fire Alarm Reporter (RFAR) Testing, and 2706T Testing
 - o Down-posting (release) of 840 square feet of tunnel cut contamination area

- o Installation of 271T Elevator pulley guards and anti-rotational wire
- o One year fire door inspections
- o Beryllium clearance sampling of 2706-T and 2706-TA
- Surveillances/PMs
 - o Five TSR surveillances
 - o 222 Rad surveillances
 - o 21 PM packages
 - o 120 Operational surveillances

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

- Repaired:
 - o 2403WD roof
 - o 2402WH and 2403WA walls
- Overpacked the remaining seven priority 1 Watch List drums
- Performed semi-annual leachate sampling for MWT31/34
- Replaced MWT 34 high flow pump. Pump test successfully completed
- Completed Hazardous Review Board dry run for overpack and relocation of Waste Container 231ZDR-11
- Supported Ecology compliance inspection and records review for CWC and WRAP
- Conducted nondestructive analysis activities for waste container 231ZDR-11
- Surveillances/PMs:
 - o Five TSR surveillances
 - o 14 PM packages
 - o 181 Rad surveillances
 - o 60 Operational surveillances
- Shipments Received:
 - o 3 boxes/2 drums to MWT31
 - o 3 SWBs to CWC from PFNW

13.11 Liquid Effluent Facilities (LEF)

Effluent Treatment Facilities (ETF)

- Continued support to Washington River Protection Solutions (WRPS) and its subcontractor to develop a plan to transition ETF to WRPS
- Supported 242-A evaporator initial run
- Disposed of all Waste Sampling and Characterization Facility (WSCF) drums to Environmental Restoration Disposal Facility (ERDF)
- Repaired two small cuts on the primary liner under the cover of Basin 4
- Completed:
 - o Performed bi-monthly change-out of Reverse Osmosis (RO) layup chemicals
 - o Performed bi-monthly fine filter backwash
 - o Decontaminated four light plants
 - o Third party inspection of verification tank C
 - o Repaired Pump Station #3 heater at Treated Effluent Disposal Facility (TEDF)
 - o Six year Master Control Center (MCC) #3 cleaning and beryllium sampling
 - o Annual stack instrument calibrations

LERF Basin Cleanup

- Performed basin demobilization activity
 - o Disposed of Geotubes
 - o Changed filters

- o Stowed the jibs for cranes
- o Removed scaffold from Basin 44 crane

Environmental Restoration Disposal Facility (ERDF) Leachate to 200 West Pump-and-Treat Facility (200W P&T)

- Continued definitive designs
- Developing Project Execution Plan
- Acquiring required site permits

Effluent Treatment Facilities (ETF)

- Shipped four roll-on/roll-offs (RO/RO) to ERDF
- Shipped 5-gallon carboy to PFNW (PUREX acid waste)
- Received 5 tankers:
 - o 17K gallons (17K fiscal year [FY])
- Treated effluent to State-Approved Land Disposal Site:
 - o 0.0M gallons (1.9 million FY)
- Discharged to 200A TEDF:
 - o 106M gallons (289 million FY)
- Received ERDF Leachate
 - o 142K gallons (1.92 million FY)

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 One TSR surveillance
 - o 16 Rad surveillances
 - o Four Operational surveillances
- Shipments:
 - o Received one shipment totaling four waste packages of processed/treated M/LLW from PFNW

MAJOR ISSUES

Issue: Approximately ten small cuts were identified on Basin 44 cover and liquid can be observed bubbling onto cover.

Corrective Action: Option review in process.

Status: No additional water has been observed on cover. Daily pumping has been instituted, as necessary, of any accumulated liquid while long term CAs are in development.

Issue: During repairs to Basin 42 cover deficiencies, two small cuts were identified on the primary liner under the cover. Both cuts are well above the water line.

Corrective Action: Repair liner.

Status: Two small cuts on primary liner were repaired.

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 overpacking drums). Provided letter to RL identifying risk and requesting path forward. Additional shipments and repackaging were included in the FY2015 IPL, but currently fall below the available funding line.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Risk Response Effective Increased Confidence
 Risk Response Partially Effective No Change
 Risk Response Not Effective Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			Continued discussions with regulators indicate potential for additional changes (CWC).
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing. Evaluate additional waste volumes of TRU waste being sent to treatment contractors to maintain contract viability.			Forecasted volumes from CHPRC projects may not allow commercial capability to remain viable. DOT exemptions to transport to/from off-site contractor are complete through the end of Fiscal Year. There is still a risk associated with a federal driver which has been supplied by the BPA, but is no longer available. RL has hired a driver who is expected to achieve all qualifications by November 24th. Additional shipments are identified in "Buy Back/Integrated Priority List" list but currently fall below the available funding line. RL did not approve, but efforts are continuing to actively work with DOE to initiate at least one shipment. Viability of commercial treatment facility is at risk.
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			Updated permit requirements include quarterly removal of soil and vegetation and complete inspection of the covers.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform routine surveillances (daily/weekly) of containers within the SWOC storage areas and identify abnormalities. Develop a "watch-list" for containers that have existing corrosion to monitor for signs of accelerated corrosion. Develop plans for dealing with degraded/abnormal containers. Discrepant containers may require additional monitoring, patching, covering or overpack as required. If a breach is identified, implement response procedures and perform response actions as appropriate.			All priority 1 drums in CWC have been overpacked, there are approximately 19 priority 2 drums to overpack; however, this is not a static list and can increase based on current conditions. The additional requirements referenced for 231-ZDR-11 refer to the requirement to overpack in a shippable configuration in preparation for shipping to an offsite facility for processing and repackaging. Packing to be completed no later than January 18, 2015. Major procurement status: 2 IP flexible bags arrived in the month of October and are in climate controlled storage until needed. 1 metal box type overpack scheduled to arrive NLT 12/8/14 but with a more probable date of 11/18/14

WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> Heat Exchanger procurement continuing, and expected delivery date is May 2015; weekly status meetings indicate vendor is on time. Installation to perform by WRPS after transition from CHPRC to WRPS. LERF Cover Repairs made to basins 42 and 43; Repair strategy for Basin 44 endorsed by CHPRC management and RL; DOH to be briefed this month. Repairs to be made after Basin is emptied in late 2015/early 2016. Automatic Transfer Switch (ATS) #1 failure at WESF. Troubleshooting efforts in progress. Risk Response Plan partially effective – Continuing to experience Corrective Maintenance at higher rate than planned.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			The gap analysis has been completed for two of the CWC compliance metrics for the Ecology Agreed Order. Requirements exceed planned work scope in relation to box 231-ZDR-11. (See Risk WSD-125)
WSD-W130-01: WESF Ventilation Upgrade Regulatory Strategy	Work with regulators early on to develop a permitting plan that is approved by Ecology and the DOE.			Permitting has been revised to incorporate the preparation of a LDR Treatability Variance. Regulators have requested that LDR Treatability Variance be included in the 60 day public comment period.
WSD-W135-01: Cs/Sr Capsule Extended Storage Acquisition Planning Document Approval	Teaming with DOE is incorporated into the baseline to identify and incorporate new requirements. However, if additional requirements are identified, the additional scope to add to planning and subsequent flow-down is not included within the work planning.			The project schedule is based on receiving RL direction to proceed in October. The project is currently on hold and is not funded in the initial FY2015 funding profile. The baseline has been adjusted to defer planning until December, which, if funded, will still significantly impact the ability to issue an RFP and award a contract in FY2015.

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	6.4	6.1	4.8	(0.4)	-5.5%	1.3	21.6%
Numbers are rounded to the nearest \$0.1M							

CM Schedule Performance (-\$0.4M/-5.5%)

The current period schedule variance is within threshold.

CM Cost Performance (+\$1.3M/+21.6%)

The current period cost variance is due to implementation of planned efficiencies.

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	885.5	887.3	850.6	1.7	0.2%	36.7	4.1%	1,344.5	1,253.7	90.8

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$1.7M/+0.2%)

The schedule variance is within threshold.

CTD Cost Performance (+\$36.7M/+4.1%)

The cost variance is within threshold.

Variance at Completion (+\$90.8M/+6.8%)

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	86.6	83.3	3.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1M. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-15-008R0 - *Definitization of CO #249, Installation of Leachate Transfer Line from ERDF to 200W P&T*

BCR-PRC-15-009R0 - *HPIC Updates October 2014*

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.

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)



CH2MHILL
Plateau Remediation Company



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

October 2014
CHPRC-2014-10, 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 October 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	27.7	27.7	11.9	11.9	-	-	-	-	-	-
HX P&T	21.1	21.1	2.1	2.1	-	-	-	-	-	-
KR-4 P&T	12.3	12.3	0.4	0.4	-	-	-	-	-	-
KW P&T	13.1	13.1	2.4	2.4	-	-	-	-	-	-
KX P&T	26.1	26.1	2.1	2.1	-	-	-	-	-	-
200 West P&T	79.0	79.0	6.4	6.4	242	242	5,306	5,306	.111x10 ¹²	.111x10 ¹²
Combined	197.3	197.3	25.3	25.3	242	242	5,306	5,306	.111x10¹²	.111x10¹²

Well Drilling by Area	FY2015 Planned	October	FY2015 Cumulative
100-KR-4	5	1	1
100-HR-3	12	-	-
NRDWL/SWL	4	-	-
200-UP-1	9	-	-
200-ZP-1	7	-	-
M-24	17	2	2
300-FF-5	34	-	-
DVZ URG TT	6	-	-
Total Wells	94	3	3

EMS Objectives and Target Status

Objective	Target	Actions	Due Date	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	60%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	0%
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	0%
		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	0%

	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	0%
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	0%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	50%

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1*	1	*9/30/2014 (Classified as DART case in October) – Employee was standing on a pump pedestal to take a measurement. The employee slipped while taking the measurement and caught their arm on nearby scaffolding. This resulted in a dislocated left shoulder. (23489) S&GRP
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	30	10/14/2014 - Employee was drilling holes in a metal plate when the drill broke through the plate. The drill twisted and spun out of the employee's hand. At the time, employee had no discomfort. Employee was wearing gloves, safety glasses, and footwear. The employee reported the incident the following morning after the noticing stiffness and some discoloration on the right hand ring finger. The employee was taken to HPMC, examined, treated with OTC medication, and released with a restriction of use of right hand as tolerated. (23500) S&GRP
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

- Provided briefing materials to RL on the Central Plateau Inner Area Principles to be presented by RL, EPA, and Ecology at the November Hanford Advisory Board meeting.

Risk & Modeling Integration

- Submitted deliverables to RL for the work under Contract Modification 352, Change Order 258 NTE for IDF PA planning phase activities.

Environmental Integration

- RL granted Ecology access to 200-IS-1 waste site references in the WIDS library. This change is part of a larger vision that could eventually see Ecology gaining access to all but OUO references in the WIDS library. The practice should reduce the quantity and improve the quality of references placed in future decision documents.

River Corridor**100-NR-2 Operable Unit**

- Hosted a tour of the Yakama Nation technical staff on October 23, 2014 to review the three new cultural resource review requests that are under way. The requests include D&D of the pump and treat equipment, addition of six new monitoring wells in the reactor area, and repairing seven aquifer tubes.

100-FR-3 Operable Unit

- Completed RL's Panel Review of the 100-FR-3 Data Quality Objectives on October 30, 2014.

Central Plateau**200-IS-1 Operable Unit**

- Conducted RL and Ecology waste site scoping summary reviews on October 7, 2014.

200-BP-5 Operable Unit

- Initiated design for connecting the 200-BP-5 Extraction Well to the 200 West Pump and Treat System, SGW-58220.

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

- Held a kick off meeting with RL to initiate preparation of the Remedial Design/Remedial Action Work Plan for the 200-CW-5 and 200-PW-1/3/6 Operable Units.

200 West P&T

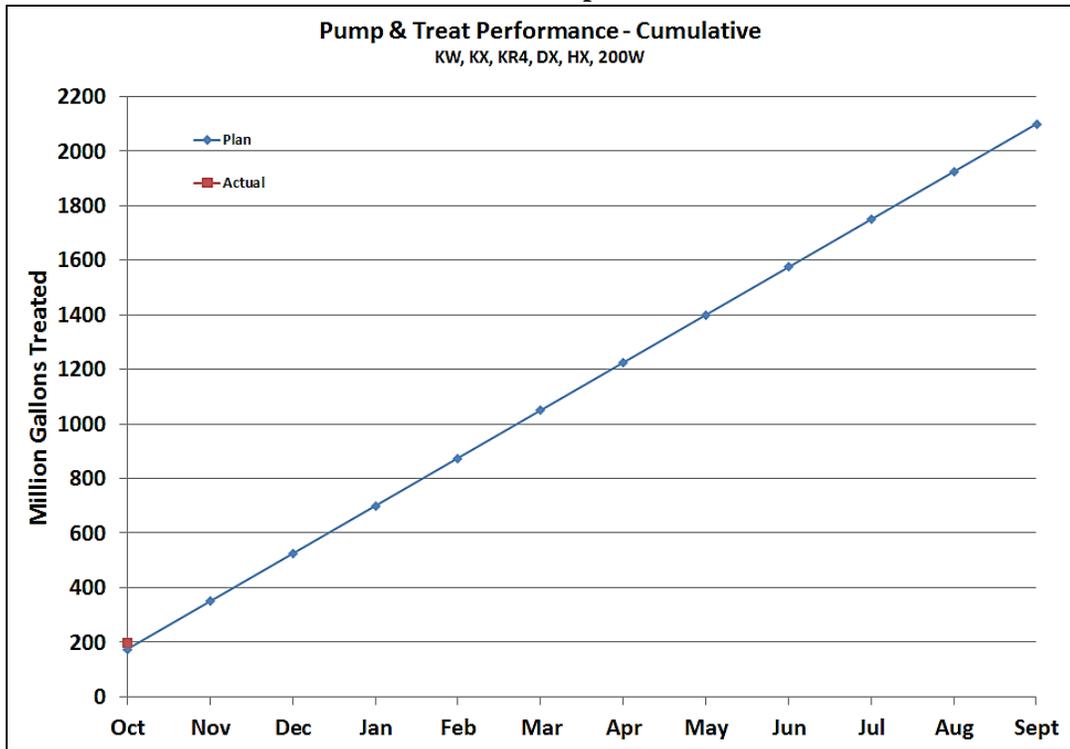
- Average pumping rate for October was approximately 1,800 gpm. The increased flows were due to completion of operational improvements and bringing new injection/extraction wells on line.
- Effluent concentrations remain below cleanup levels specified in ROD.

200-DV-1 Operable Unit

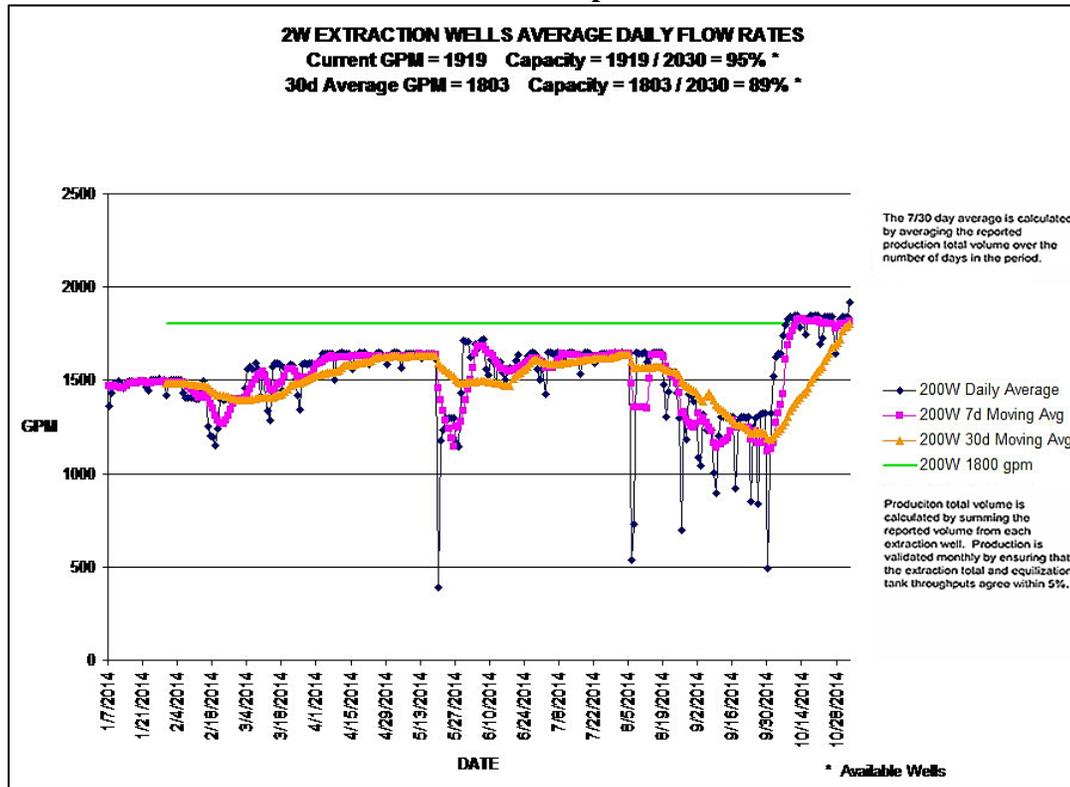
- The B Area perched water extraction system removed 6,742 gallons in October, bringing the total volume of perched water removed to 239,833 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of October:

Contaminant	October	Cumulative (since startup)
Tc-99	1.4 E-04 Ci	30.2 E-03 Ci
Uranium	2.5 kg	51.7 kg
Nitrates	15.6 kg	482.7 kg

FY2015 P&T Operations



200 West P&T Operations



MAJOR ISSUES

No major issues to report.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Response Plan Effective
 Response Plan Partially Effective
 Response Plan Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
<p>SGW-045: Regulator Comments Change Requirements</p> <p>SGW-008: Regulatory Documents Result in Significant Comments from Regulators</p>	<p>A standardized approach has been developed to quickly evaluate and categorize comments for resolution. This process also identifies comments that will require management attention in order to achieve resolution. For significant comments, white papers are prepared for RL management concurrence. These white papers then form the basis to help resolve significant comments with the agencies. In addition, routine meetings are conducted to address agency comments and to remain current on the influences from agencies.</p>			<p>All Ecology's comments on the Draft A 100-D/H RI/FS have been resolved and the Rev 0 was transmitted to Ecology. Progress on the 100-D/H PP has been delayed due to the requirement for EPA's Remedy Review Board, followed by sequential reviews of Ecology's legal and then EPA's legal.</p> <p>For Draft A 100-N RI/FS Report, the weekly comment resolution meetings with Ecology have progressed through the RI (Chapters 1 – 7) and are now working through the FS. The four technical position papers that were submitted to Ecology in March 2014 to resolve significant comments are now being reviewed.</p>
<p>SGW-004: Cultural Resource Reviews</p>	<p>Obtain cultural/ecological reviews before design progresses. Walk downs with cultural resource review teams (tribal, RL, Engineering, etc.) to start early and be performed periodically throughout the process. Assign contractors to other activities while awaiting results. Work with the State Archeological and Historical Preservation office.</p>			<p>CHPRC continues to work with MSA to accelerate cultural reviews for existing work and is developing a strategy for conducting area reviews to eliminate the need for project by project reviews in the same areas. Bi-weekly meetings between the two organizations began in September to better coordinate the cultural review process, and tracked internal to the project. Early identification of FY2015 work scope has also allowed the cultural review process to begin early in the FY.</p> <p>No progress was made on resolution of the Section 6 "Cultural Resources Review (CRR)" and associated Memorandum of Agreement for installation of the 100-NR-2 apatite barrier. The CRR and MOA for the barrier project have been revised and reviewed by RL management. Documents will be issued in the month of November for the public review process.</p>
<p>OPPORTUNITY: SGW-007A: Sampling Requirement Reduction SGW-007B: Analytical Reduction</p>	<p>Sampling reduction can be achieved by combining sample sites, promptly removing sample sites from the list once characterization is established to support regulatory down-posting, work with regulatory agencies to minimize sample sites and sampling frequencies (i.e. quarterly to yearly).</p> <p>Analytical and laboratory characterization can be achieved by working with regulatory agencies to minimize the analysis required, determining a standardized analyses run, and working with the laboratories to streamline data validation processes.</p>			<p>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. A schedule is being developed with RL for completing RL's Panel Review on the SAPs planned to be revised in FY2015.</p>

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-159: Ability to Maintain Flow Rates through Pump and Treat Units	Acquire technical specialist in bio-reactor operation at 200 West P&T to oversee the complexity associated with the water volume/flow and evaluate optimization and nutrient additions to the bed reactor. Installation of additional extraction or injection wells is required to boost pumping rates to 2,000 gpm. Routine well maintenance/equipment maintenance program is essential to maximize operational efficiency and minimize downtime.	●	↑	Several new injection wells were hooked up at the end of September and have now increased pumping rates to 1,800 gpm. Four additional injection and two additional extraction wells are being drilled, completed, and hooked-up to the 200 West P&T in late FY2015 to boost pumping rates to 2,000 gpm.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.	●	↔	Response plan effective. This risk was closed 7/8/2013 and will no longer be reported against.
SGW-135: Major Equipment Failure at a Pump & Treat	For the P&T facilities, maintenance will continue with the established Preventative Maintenance and Corrective Maintenance program. Utilize trending to monitor precipitate and bio-fouling of injection wells. Utilize trends to optimize well cleaning frequency to keep injection wells clear of precipitate and bio-fouling. Install additional injection wells to increase injection capacity and plan down-time for injection well cleaning cycles. Continue staff training on equipment and processes. Maintain spare parts inventory.	●	↑	Pump and treat is operating as designed. The 200 West P&T is continuing to experience higher than planned maintenance costs due to issues with blowers, foaming, and well maintenance to prevent injection well fouling. Mitigation is ongoing as design changes are implemented to improve plant reliability and reduce labor costs.

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	9.6	8.8	7.2	(0.7)	-7.7%	1.6	18.0%

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$0.7M/-7.7%)

The negative schedule variance resulted from the following:

- Delay in approval of the 100-NR-2 cultural and ecological resource reviews for the barrier expansion and jet injection activities has caused this scope to be deferred.
- Revisions are being made to the 100-HR-3 well drilling planning documents to accommodate additional scope of work per the Plume Containment and Remediation Utilization Plan. Drilling is also encountering difficult conditions due to boulders and cobbles which require re-drilling with larger diameter casings.
- Additional required drawings and modifications increased the duration of the design effort of the uranium treatment system as the design progressed to the 90 percent design phase. Change in design has contributed to pipe procurement delays and will also increase the time needed for pipeline construction.

CM Cost Performance (+\$1.6M/+18.0%)

The positive cost variance resulted from the following:

- Savings were realized by using offsite analytical laboratories resulting in overall lower cost of analyses. Efficiencies were achieved by having more sampling vans in the field to perform sampling activities, fewer failed sampling trips, and less down time caused by maintenance failures.
- The planned October procurement of resin required for 200-UP-1 Uranium Treatment at 200W Pump-and-Treat occurred in September, resulting in a positive current period cost variance.
- CP 254 *Central Plateau Principles and Associated Modeling* was definitized and change control for Contract Modification 359 was implemented in October reporting. The change proposal was definitized based on actual costs for FY2014. Budgets for FY2014 were lower than actual costs and this resulted in a positive current period cost adjustment in FY2015 for impacts to the 200-SW-2 and 200-IS-1 work plans.

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	1,025.9	1,022.9	1,009.9	(3.0)	-0.3%	13.1	1.3%	1,518.8	1,469.4	49.4

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$3.0M/-0.3%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$13.1M/+1.3%)

Variance is within reporting thresholds.

Variance at Completion (+\$49.4M/+3.3%)

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	137.8	136.9	0.9

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million for the company. RL-0030 project funding is \$137.8 million for FY2015. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-001R0 - CO #260, 100-NR-2 Operable Unit Bioventing System

BCR-030-15-002R0 - Detailed Planning for 100-HR-3 Transfer System

BCR-030-15-003R0 - Detailed Planning for 100-HR-3 Electrocoagulation Unit

BCR-030-15-004R0 - PBS RL-30 Rules of Performance Updates

BCR-030-15-005R0 - 200W P&T Well Hookup Realized Risk

BCR-PRC-15-001R0 - Partial Definitization of CO #251, 200-UP-1 Uranium Treatment at 200W P&T

BCR-PRC-15-002R0 - Definitization of CO #255 Automated Water Level Network

BCR-PRC-15-003R0 - Definitization of CO #254 CP Inner Area Cleanup

FY2015 Management Reserve (Funded): \$1.75M

FY2015 Management Reserve was drawn down \$1,778K in October to support the 200 W P&T Well Hookup realized risk (BCR-030-15-005R). This was offset by the detailed planning of the 100-HR-3 Electrocoagulation Unit planning package (BCR-030-15-003R0) that returned \$838.8K to FY2015 Management Reserve and the (BCR-030-15-002R0) that returned \$21.6K to FY2015 Management Reserve. \$832K remains in FY2015 management reserve.

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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		6/9/15	Dispute resolution was extended to December 1, 2014. Negotiations are underway to revise the milestone due date.
M-091-40L-044	PMM Submittal Jul-Sep 4th Qtr. FY2014 Burial Ground Sample Results	TPA	12/15/14		12/15/14	On schedule
M-091-40L-045	PMM submittal Oct-Dec 1st Qtr. FY2015 Burial Ground Sample Results	TPA	3/15/15		3/15/15	On schedule
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	3/31/15		3/31/15	On schedule
M-015-110A	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology	TPA	3/31/15		11/28/14	On schedule
M-024-58H	Initiate Discussions of Well Commitments	TPA	6/1/15		6/1/15	On schedule
M-091-40L-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15		6/15/15	On schedule
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15		6/30/16	To be missed. The FS Report and PP are funded in FY2015, but cannot achieve the milestone since this scope was not funded in FY2014.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		11/1/18	To be missed. This scope was not funded in FY2014 or in FY2015.
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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/25/18	To be missed. The 200-DV-1 work plan (M-015-110A) has not been submitted to the regulators.
M-016-125	Submit a RD/RA WP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/30/15	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		9/17/15	On schedule
M-085-02	Submit a change package to establish a schedule for submittal of the RI/FS Work Plans for the 200-CB-1, 200-CP-1, and 200-CR-1 Operable Units and a schedule for submittal of the Removal Action Work Plans for 224B and 224T Plutonium Concentration Facilities	TPA	9/30/15		9/30/15	On schedule
M-015-38B	Submit Revised FS Report and PP for CW-1, CW-3, & OA-1 to EPA	TPA	10/30/15		10/30/15	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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, correcting posting issues), conducted 109 radiological facility surveillances, completed 43 preventive maintenance (PM) activities, completed PUREX N-Cell investigative survey work, completed removal activities of approximately 1,100 linear feet of steam line, and completed Construction Yard Facilities Demolition.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	6	<ul style="list-style-type: none"> 10/20/14 – Employee reported stinging sensation in right eye. Referred to private physician who found no foreign body. Eye was flushed. Employee returned to work with no restrictions. (23502)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
- Completed:
 - o 109 radiological facility surveillances
 - o 43 preventive maintenance (PM) activities
- Completed PUREX N-Cell investigative survey work
- Completed removal activities of approximately 1,100 linear feet of high priority steam line
- Continued with asbestos abatement at steam line cut locations
- Completed 291S roof repairs
- Completed Construction Yard Facilities Demolition
- Completed REDOX and PUREX annual stack testing

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered in the month of October.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Construction yard demolition field work completed in the month of October.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Monitoring emerging issues with facility roofs, contamination spread into surveillance paths, and other high risk facility conditions. Added mitigation efforts to the Integrated Priority List. Transmitted letter to DOE-RL identifying the risk associated with the Redox being well beyond its design life and requesting authorization and funding to proceed with design.
D4-064: Aging Building Systems/Components	The facilities have been placed in Surveillance and Maintenance mode. Perform as-scheduled maintenance activities. Perform appropriate regulatory agency and DOE notifications for system failures or prolonged outage. Continually evaluate system maintenance frequencies.			No issues for the month of October.
D4-067: Increased Asbestos Abatement	Minimal pre-mitigation is possible. Conduct asbestos abatement to maintain a safe and complaint work site.			Developing prioritization of abandoned steam line removal sections with additional funding. Received authorization to repair/abate ~1,100 linear feet of steam line. Streamline abatement complete, and repairs are slated to complete late November pending resource availability.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.7	1.0	1.1	0.3	42.1%	(0.1)	-13.6%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.3M/+42.1%)

Variance is within reporting threshold.

CM Cost Performance: (-\$0.1M/-13.6%)

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	390.2	390.0	359.3	(0.2)	-0.0%	30.7	7.9%	478.4	449.4	29.0

Numbers are rounded to the nearest \$0.1M

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

Variance is within reporting threshold.

CTD Cost Performance: (+\$30.7M/+7.9%)

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, 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 (\$1.1 million), S&M costs less than expected (\$4.6 million), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1 million), Program Management utilizing less resources (\$3.1 million) and under run in overhead allocations (\$1.8 million).

Variance at Completion (+\$29.0M/+6.1%)

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)**

WBS 040/RL-0040 Nuclear Facility D&D	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	12.5	12.3	0.2

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-PRC-15-001R0 - *Partial Definitization of CO #251, 200-UP-1 Uranium Treatment at 200W P&T*
- BCR-PRC-15-002R0 - *Definitization of CO #255, AWLN in 100-KR-4 and 100-HR-3 OUs*
- BCR-PRC-15-003R0 - *Definitization of CO #254, CP Inner Area Cleanup Principles/Risk Assessment*
- BCR-PRC-15-008R0 - *Definitization of CO #249, Installation of Leachate Transfer Line from ERDF to 200W P&T*
- BCR-PRC-15-009R0 - *HPIC Updates October 2014*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Completed remaining work planning for 100K Characterization Wells high-risk drilling. Completed routine surveys and surveillances. Completed excavations for 100K Head House Area Demo for fire line and potable water isolations. Progressing on disassembly of MO-293 and MO-442 for disposal into Environmental Restoration Disposal Facility (ERDF).

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 Completed remaining work planning for high risk drilling
 - o Received contract direction and Not to Exceed (NTE) for the construction phase of the project – initiated change proposal
 - o Awarded a contract for earthwork to prepare the site for drilling
- 100K Head House Area Demolition:
 - o Completed excavations for fire line and potable water isolations
 - o Initiated disassembly of MO-293 and MO-442 for disposal into ERDF
 - o Projected to complete this scope of work by mid-December
- Completed Surveillances:
 - o Radiological – 38

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Risk Response Effective
 Risk Response Partially Effective
 Risk Response Not Effective

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0041				
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns during the month of October.
KBC-043: Waste Site Remediation Completion Requirements	Regulator acceptance that cleanup criteria have been achieved on a waste site by waste site basis. The Project may be directed to install monitoring wells to determine if contamination is detected in groundwater.			Installation of two additional KE Characterization wells. UPR-100-K1; 116-KE-3. Completed design phase in August. Received CO from RL for construction and well installation. Subcontracts awarded and field work to commence in November 2014, and expected to finish late FY2015.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			No concerns during the month of October.
KBC-ISS-004: Unforeseen Facility Event Impacts Safety or Environment	The ISMS processes and facility worker training will identify and correct weaknesses such that hazards are eliminated prior to an event. However, some events are unpredictable.			No concerns during the month of October.

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	0.3	0.2	0.2	(0.0)	-16.7%	0.0	4.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.0M/-16.7%)

The variance is within reporting threshold.

CM Cost Performance (+\$0.0M/+4.4%)

The variance is within reporting threshold.

Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	310.7	310.6	282.6	(0.1)	-0.0%	28.0	9.0%	394.6	364.8	29.8

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within threshold.

CTD Cost Performance (+\$28.0M/+9.0%)

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

Variance at Completion (+\$29.8M/+7.5%)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	6.8	6.6	0.2

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-001R0 - *Partial Definitization of CO 251, 200-UP-1 Uranium Treatment at 200W P&T*

BCR-PRC-15-004R0 - *Definitization of CO 253, 100-K Boreholes Phase I*

BRC-PRC-15-009R0 - *HPIC Updates October*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Fast Flux Test Facility (FFTF) is being maintained in a low-cost surveillance and maintenance condition.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Completed:
 - o 25 Preventive Maintenance (PM) activities/operational surveillances
 - o Four radiological surveillances
 - o Four operational surveillances
- Continued to disposition material from the 440 Pad for excess/waste

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Risk Response Effective  Increased Confidence
 Risk Response Partially Effective  No Change
 Risk Response Not Effective  Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing Corrective Maintenance activities. Septic line was broken in September, and is expected to be repaired in November (pending resource availability). Continuing to monitor levels and pump septic tank as required pending planned line repairs.

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	0.1	0.0	0.0%	0.1	47.2%

Numbers are rounded to the nearest \$0.1M

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

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.1M/+47.2%)

The current period cost variance is within threshold.

Contract-to-Date
(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	18.3	18.3	15.1	(0.0)	-0.1%	3.2	17.4%	26.5	20.0	6.5

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.2M/+17.4%)

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

Variance at Completion (+\$6.5M/+24.5%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

FY2015			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
RL-0042	1.4	1.3	0.1

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

FY2015 initial budget guidance received from RL reflects expected funding of \$445.1 million. The Spending Forecast includes actions anticipated to achieve the funding targets.

Critical Path Schedule

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

Baseline Change Requests

BCR-PRC-015-009R0 – *HPIC Updates October 2014*

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



October 2014
CHPRC-2014-10, 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) 2014 / 10 / 01						
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) 2014 / 10 / 26						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY		b. NEGOTIATED COST 5,468,189	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 17,370		d. TARGET PROFIT/ FEE 228,491	e. TARGET PRICE 5,696,680	f. ESTIMATED PRICE 5,555,061		g. CONTRACT CEILING 5,696,680	h. ESTIMATED CONTRACT CEILING 5,555,061		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) Corman, R. K.			b. TITLE Prime Contract Manager						
a. BEST CASE		5,248,130					c. SIGNATURE			d. DATE SIGNED 10/26/2014						
b. WORST CASE		5,478,067														
c. MOST LIKELY		5,326,570	5,485,559		(158,989)											
8. PERFORMANCE DATA																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE					BUDGETED	ESTIMATED	VARIANCE
	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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	(14)	(15)	(16)
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	7,121	7,934	6,950	814	984	738,977	707,123	743,825	(31,854)	(36,702)	0	0	0	937,378	965,600	(28,222)
012 RL-12 SNF Stabilization and Disposition	4,870	5,029	4,484	159	546	442,603	448,944	461,417	6,341	(12,473)	0	0	0	692,566	725,184	(32,618)
013 RL-13 Solid Waste Stabilization & Disposition	6,432	6,076	4,766	(356)	1,310	885,526	887,250	850,583	1,724	36,668	0	0	0	1,344,517	1,253,706	90,811
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	9,556	8,821	7,234	(735)	1,587	1,025,923	1,022,908	1,009,853	(3,014)	13,055	0	0	0	1,518,845	1,469,427	49,418
040 RL-40 Nuclear Facility D&D Remainder of Hanford	705	1,001	1,137	297	(136)	390,185	390,035	359,306	(150)	30,729	0	0	0	478,374	449,359	29,015
041 RL-41 Nuclear Facility D&D - River Corridor	253	210	201	(42)	9	310,705	310,598	282,609	(107)	27,990	0	0	0	394,622	364,847	29,775
042 RL-42 FFTF Closure	138	138	73	0	65	18,284	18,272	15,099	(12)	3,173	0	0	0	26,508	20,007	6,501
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	29,074	29,210	24,845	136	4,365	3,812,204	3,785,131	3,722,691	(27,073)	62,439	0	0	0	5,392,810	5,248,130	144,680
f. Management Reserve														78,440		
g. Total	29,074	29,210	24,845	136	4,365	3,812,204	3,785,131	3,722,691	(27,073)	62,439	0	0	0	5,471,249		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance																
										(27,073)	62,439		5,471,249	5,248,130	223,119	

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

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN - Thousands of \$			FORM APPROVED OMB No. 0704-0188				
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD										
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014 / 10 / 01										
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2014 / 10 / 26										
c. TYPE CPAF		d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009													
5. PERFORMANCE DATA																		
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 - Env Program & Strategic Planning	620	506	639	(114)	(133)	48,818	49,390	45,661	571	3,729	0	0	0	0	0	83,134	72,856	10,278
340 - Environmental Prog & Regl Mgt	620	506	639	(114)	(133)	48,818	49,390	45,661	571	3,729	0	0	0	0	0	83,134	72,856	10,278
35 - Business Services	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	0	0	23,047	23,520	(473)
35D - Contract Mgmt & Facility Svcs	0	0	0	0	0	449,477	449,477	425,102	0	24,375	0	0	0	0	0	449,477	425,102	24,375
35K - PRC Finance	0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	0	0	472,524	448,622	23,902
3B - PFP Closure	1,573	1,294	1,964	(279)	(670)	139,447	129,727	149,063	(9,720)	(19,336)	0	0	0	0	0	201,579	226,980	(25,401)
3B0 - PFP Close/BOSS D&D & Infrastruc	2,195	2,038	1,773	(157)	(266)	146,514	135,272	149,109	(11,242)	(13,836)	0	0	0	0	0	192,463	203,770	(11,307)
3B3 - Project Management/Subcontracts	1,256	1,256	859	0	398	49,003	49,003	40,876	(0)	8,128	0	0	0	0	0	74,095	59,200	14,895
3B4 - Engrg Nuc Saf Plng&Wrk Control	628	930	529	302	401	54,404	53,471	43,265	(933)	10,207	0	0	0	0	0	73,244	67,812	5,432
3B7 - Environmental & Waste	941	948	940	7	8	150,012	150,012	152,766	0	(2,754)	0	0	0	0	0	168,021	174,707	(6,686)
3BA - Project Mgmt D&D	527	1,467	886	941	581	113,448	103,489	129,802	(9,959)	(26,313)	0	0	0	0	0	141,827	154,185	(12,358)
3BB - PFP D4 Deputy Project Mgmt	0	0	0	0	0	0	0	0	(0)	(0)	0	0	0	0	0	0	0	(0)
3BD - PFP Cold & Dark	7,121	7,934	6,950	814	984	652,829	620,975	664,880	(31,854)	(43,905)	0	0	0	0	0	851,230	886,655	(35,425)
3C - Decom Waste Fuels & Remed Svcs	77	24	115	(52)	(90)	1,975	1,923	1,350	(52)	573	0	0	0	0	0	3,398	2,814	584
36X - Support to 3C - W&FMP/D&D Project	2,163	1,978	1,980	(185)	(3)	37,891	41,904	63,426	4,013	(21,522)	0	0	0	0	0	90,721	128,186	(37,466)
38X - Support to 3C - W&FMP/D&D Project	2,708	3,052	2,503	344	548	350,450	352,777	344,333	2,327	8,444	0	0	0	0	0	547,583	543,340	4,243
3AD - Sludge Treatment Project	245	202	186	(42)	16	247,074	246,967	224,791	(107)	22,176	0	0	0	0	0	323,530	299,562	23,968
3BX - Support to 3C - W&FMP/D&D Project	1,880	1,871	1,392	(9)	478	199,714	199,483	202,385	(231)	(2,902)	0	0	0	0	0	318,475	299,129	19,346
3C4 - Waste & Fuels Project Controls	0	0	0	0	0	49,140	49,140	52,386	(0)	(3,247)	0	0	0	0	0	49,140	52,386	(3,247)
3C5 - TRU Project	2,801	2,684	2,057	(117)	626	189,027	189,818	177,500	791	12,318	0	0	0	0	0	398,780	386,621	12,159
3C9 - Liquid & Fuels Storage	0	0	0	0	0	0	0	1	0	(1)	0	0	0	0	0	0	1	(1)
3CA - W&FMP Engineering	2,525	2,644	2,426	119	218	733,197	734,251	690,544	1,054	43,707	0	0	0	0	0	966,124	888,767	77,357
3CD - Waste Disposition	12,397	12,455	10,661	57	1,794	1,808,468	1,816,263	1,756,718	7,795	59,545	0	0	0	0	0	2,697,750	2,600,807	96,943
3D - Soil & Groundwater Remediation	1,556	1,831	903	275	928	102,778	103,053	102,244	275	809	0	0	0	0	0	194,769	170,696	24,073
3D0 - Soil & Groundwater Remediation	1,823	1,408	1,330	(415)	79	151,817	152,142	141,777	325	10,365	0	0	0	0	0	257,061	239,168	17,893
3D2 - GW Remediation Support	1,065	1,101	1,092	36	9	99,456	99,435	86,706	(21)	12,729	0	0	0	0	0	164,429	150,404	14,025
3D4 - GW Operations	4,492	3,975	3,270	(518)	705	475,514	471,348	476,084	(4,165)	(4,735)	0	0	0	0	0	671,912	678,922	(7,009)
3D8 - GW Analysis and Reporting	8,936	8,315	6,594	(621)	1,720	829,565	825,979	806,811	19,168	19,168	0	0	0	0	0	1,288,171	1,239,189	48,982
b. Cost of Money	0	0	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	0	0
d. Undist. Budget																		
e. Sub Total	29,074	29,210	24,845	136	4,365	3,812,204	3,785,131	3,722,691	(27,073)	62,439	0	0	0	0	0	5,392,810	5,248,130	144,680
f. Management Resrv.																78,440		
g. Total	29,074	29,210	24,845	136	4,365	3,812,204	3,785,131	3,722,691	(27,073)	62,439	0	0	0	0	0	5,471,249		

FORMAT 3, DD FORM 2734/3, BASELINE

October 2014 Monthly Report

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: 2014/10/01 b. TO: 2014/10/26	
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 4,312,366				b. NEGOTIATED CONTRACT CHANGE \$1,155,823		c. CURRENT NEGOTIATED COST (A + B) \$5,468,189		d. ESTIMATED COST AUTH UNPRICED WORK \$17,370		e. CONTRACT BUDGET BASE (C + D) \$5,485,559		f. TOTAL ALLOCATED BUDGET \$5,471,249		g. DIFFERENCE (E - F) \$14,310		
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)	SIX MONTH FORECAST						FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)	UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)
			+1 Nov-14 (4)	+2 Dec-14 (5)	+3 Jan-15 (6)	+4 Feb-15 (7)	+5 Mar-15 (8)	+6 Apr-15 (9)								
a. PM BASELINE																
(BEGIN OF PERIOD)																
	3,816,441	33,311	37,516	35,913	44,454	38,552	41,456	52,168	3,391,477	391,653	447,454	430,578	368,545	368,469	0	5,398,175
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																
BCR-012-15-001R0 - STP Schedule Corrections																
											200					0
BCR-030-15-001R0 - CO #260, 100-NR-2 Operable Unit Bioventing System																
													494			200
BCR-030-15-002R0 - Detailed Planning for 100-HR-3 Transfer System																
											(839)					494
BCR-030-15-003R0 - Detailed Planning for 100-HR-3 Electrocoagulation Unit																
																(839)
BCR-030-15-004R0 - PBS RL-030 Rules of Performance Updates																
											1,778					0
BCR-030-15-005R0 - 200W P&T Well Hookup Realized Risk																
																1,778
BCR-041-15-001R0 - Division of Control Accounts Correction																
											1,700		(6,100)	(200)		0
BCR-PRC-15-001R0 - Partial Definitization of CO #251, 200-UP-1 Uranium Treatment at 200W P&T																
											174	52	56	(543)		(4,600)
BCR-PRC-15-002R0 - Definitization of CO #255, AWLN in 100-KR-4 and 100-HR-3 OUs																
											1,000		(334)	(1,666)		(261)
BCR-PRC-15-003R0 - Definitization of CO #254, CP Inner Area Cleanup Principles/Risk Assessment																
											1			(470)		(1,000)
BCR-PRC-15-004R0 - Definitization of CO #253, 100 K Boreholes Phase I																
											244			(912)		(469)
BCR-PRC-15-008R0 - Definitization of CO #249, Installation of Leachate Transfer Line from ERDF to 200W P&T																
																(668)
c. PM BASELINE (END OF PERIOD)																
	3,812,204	29,074	32,082	31,249	38,754	33,501	35,769	45,763	3,391,477	391,653	451,711	430,630	362,660	364,679	0	5,392,810
7. MANAGEMENT RESERVE																
																78,440
8. TOTAL																
																5,471,249

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

CONTRACT PERFORMANCE REPORT											CLASSIFICATION (When Filled In)	
FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014 / 10 / 01		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD)		
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE YES 9/18/2009			2014 / 10 / 26		
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									
			+1 Nov (4)	+2 Dec (5)	+3 Jan (6)	+4 Feb (7)	+5 Mar (8)	+6 Apr (9)	FY15-18 (13)			
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(13)	(15)		
300 - Office of the President												
35X - Support to President	5	434	5	5	5	5	5	5	5	5	210	
	5	434	5	5	5	5	5	5	5	5	210	
303 - Internal Audit												
303 - Internal Audit	3	309	4	5	5	5	5	5	5	5	200	
	3	309	4	5	5	5	5	5	5	5	200	
304 - General Counsel												
304 - General Counsel	3	297	4	4	4	4	4	4	4	4	196	
	3	297	4	4	4	4	4	4	4	4	196	
31 - Communications												
310 - Communications	9	713	8	8	8	8	8	8	8	8	358	
	9	713	8	8	8	8	8	8	8	8	358	
32 - Safety, Health, Security & Quality												
320 - Safety Health Security/Quality	26	2,026	25	25	25	25	25	25	25	25	1,031	
321 - RAD PRO/Emergency Prep	8	807	9	9	9	9	9	9	9	9	364	
322 - Nuclear Ops Supp & Compliance	6	725	8	8	8	8	8	8	8	8	320	
324 - Quality Assurance	14	1,661	17	17	17	17	17	17	17	17	691	
	55	5,218	59	59	59	59	59	59	59	59	2,406	
34 - Environmental Prog & Strategic Planning												
340 - Environmental Prog & Regl Mgt	39	2,354	44	45	45	46	46	45	45	45	1,842	
341 - Environmental Protection	0	1,000	0	0	0	0	0	0	0	0	0	
	39	3,354	44	45	45	46	46	45	45	45	1,842	
35 - Business Services												
35D - Contract Mgmt & Facility Svcs	25	3,177	27	27	27	27	27	27	27	27	1,129	
35F - Industrial Relations	4	364	3	4	4	4	4	4	4	4	207	
35H - Human Resources	16	1,035	16	16	16	14	14	14	14	14	586	
35K - PRC Finance	12	950	13	13	13	13	13	13	13	13	520	
	57	5,525	59	60	60	58	58	58	58	58	2,443	
36 - Prime Contract & Project Integration												
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	0	0	
361 - Cont Compl & Change Mgmt	10	571	14	14	14	14	14	14	14	14	522	
362 - Strategic Pln & Mgmt	15	1,262	14	15	17	17	17	17	17	17	771	
363 - EVMS Compl & Rptg	16	1,307	15	15	15	15	16	16	16	16	604	
	41	3,142	43	44	46	46	47	47	47	47	1,898	
38 - Project Technical Services												
381 - Central Engineering	10	567	9	9	9	9	9	9	9	9	371	
382 - Training & Procedures	9	2,100	10	10	10	10	10	10	10	10	400	
383 - Operations Programs	7	776	7	7	7	7	7	7	7	7	280	
384 - Project Delivery	13	1,081	11	11	11	11	11	11	11	11	410	
	38	4,524	37	37	37	37	37	37	37	37	1,461	
3B - PFP Closure												
3B0 - PFP Close/BOSS D&D & Infrastruc	71	4,950	52	57	63	62	63	61	52	52	1,611	
3B3 - Project Management/Subcontracts	104	7,383	114	121	113	118	110	110	104	104	1,314	
3B4 - Engrg Nuc Saf Plng&Wrk Control	54	2,122	51	52	52	52	52	52	52	52	559	
3B7 - Environmental & Waste	37	2,661	34	34	34	34	34	34	34	34	642	
3BA - Project Mgmt D&D	64	10,790	64	64	64	64	64	64	64	64	806	
3BB - PFP D4 Deputy Project Mgmt	56	8,845	81	88	102	91	91	104	108	108	543	
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0	0	
	385	36,750	396	417	428	421	415	425	414	414	5,475	
3C - W&FMP/D&D Project												
36X - Support to 3C - W&FMP/D&D Project	5	34	4	4	4	4	2	2	2	2	3	
38X - Support to 3C - W&FMP/D&D Project	48	1,121	69	69	69	69	69	69	69	69	1,502	
3AD - Sludge Treatment Project	127	15,468	131	131	132	132	132	132	132	132	6,480	
3BX - Support to 3C - W&FMP/D&D Project	10	7,105	17	14	16	16	16	15	8	8	2,461	
3C4 - Waste & Fuels Project Controls	60	6,520	60	60	61	62	63	66	66	66	2,735	
3C5 - TRU Project	0	582	0	0	0	0	0	0	0	0	0	
3C9 - Liquid & Fuels Storage	133	10,981	141	141	140	140	140	95	79	79	4,299	
3CD - Waste Disposition	145	33,540	141	132	144	155	155	153	152	152	8,539	
	528	75,350	563	551	566	577	576	531	508	508	26,020	
3D - Soil & Groundwater Remediation												
3D0 - Soil & Groundwater Remediation	33	2,908	36	38	38	38	38	38	38	38	1,687	
3D2 - GW Remediation Support	59	5,625	60	66	68	70	73	73	72	72	2,573	
3D4 - GW Operations	62	4,900	55	55	55	55	55	55	55	55	2,226	
3D8 - GW Analysis and Reporting	158	11,561	182	159	151	152	154	161	160	160	5,462	
	311	24,993	333	319	312	314	320	327	326	326	11,948	
Grand Totals:	1,474	160,610	1,555	1,553	1,576	1,581	1,580	1,551	1,516	1,516	54,457	

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

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 +\$144.7 million and +2.7% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$17,370
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		\$17,370

Use of Management Reserve (MR) and Fee Activity:

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR
BCR-030-15-002R0	<i>Detailed Planning for 100-HR-3 Transfer System</i>	2015 - 2018	(\$494K)
BCR-030-15-003R0	<i>Detailed Planning for 100-HR-3 Electrocoagulation Unit</i>	2015 - 2018	\$839K
BCR-030-15-005R0	<i>200W P&T Well Hookup Realized Risk</i>	2015 - 2018	(\$1,778K)
BCR-PRC-15-002R0	<i>Definitization of CO #255, AWLN in 100-KR-4 and 100-HR-3 OUs</i>	2015 - 2018	\$22K

Overall, Management Reserve decreased by \$1,412K.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	N/A	N/A

There were no changes to Fee during October.

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:
11/12/2014

Approved by:

Date:

Appendix B

Project Services and Support (WBS 000)



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

M. A. Wright
Vice President for
Project Technical
Services

October 2014
CHPRC-2014-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

D. A. Millikin
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective Number	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	10%
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	0%
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	0%
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	75%
15-EMS-PTS-OB1-T1	Reduce the potential generation and release of toxic, hazardous, and non-regulated chemical materials to the environment and evaluate for compliance with universal waste and other recycling requirements.	Monitor and evaluate spill prevention program to reduce and/or eliminate spills to the environment by surveillances, on-going training, and spill prevention techniques and ensure universal waste and other recycling requirements are being compliantly accumulated, stored, labeled, packaged, and tracked.	9/30/15	12%
15-EMS-ADMIN-OB4-T1 (Draft)	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.	TBD	TBD

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	5	N/A
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 SHS&Q Recordable injuries or First Aid cases during October.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - Continue implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 597 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 116 CHPRC facilities. An additional 42 facilities have been sampled and 58 are ready to be sampled.
 - Continued to provide support to Soil and Groundwater Remediation Project (S&GRP) Sample Management & Reporting (SMR) office for the kick off meetings with off-site laboratories.
 - Continued to provide technical support to Soil & Groundwater Remediation Project (S&GRP) to determine appropriate hazard controls for fall protection hazards associated with ladder use.
 - Provided support to Decommissioning, Waste & Fuels, and Remediation Services Project (DWF&RS) by obtaining an approved Clarification, Interpretation & Guidance form to use a ladder cage as fall protection.
 - Continued support to Project Technical Services (PTS) for oversight of IH monitoring to ensure appropriate hazard controls and respiratory protection are being used for welding activities and painting activities at the 100K Annex project.
 - Continued working with Project Facility Chemical Custodians (FCC) to complete qualification cards.
 - Continued to work the assigned corrective actions regarding Chain of Custody forms that were identified in the assessment of CHPRC processes for collecting, handling, and shipping of IH samples.
 - Continued efforts implementing the Global Harmonization Standard (GHS) requirements.
 - Continued to provide ergonomic assessments for Functional Organizations, the Plutonium

- Finishing Plant (PFP) Plastics Shop, and DWF&RS Maintenance and Storage Facility.
- Provided technical support and guidance to S&GRP and DWF&RS with Confined Space classification and controls.
- Provided support to the Waste Treatment Plant for their Voluntary Protection Program (VPP) Self-Assessment.
- o Radiological Control accomplishments:
 - Finalized contract with Lockheed Martin Services, Inc. and Washington River Protection Solutions LLC to upgrade Survey Simple. Product will be a web-based program with additional features and greatly improved reliability.
 - Resolved stop work at Central Plateau Surveillance and Maintenance regarding performance of Integrated Biological Control activities.
 - Initiated Radiological Work Permit/ALARA Management Worksheet Improvements Working Group' to promote improved radiological work planning and documentation.
 - Revised Workplace Air Monitoring Completed Decision Making Package to clarify label requirements for DAC-hr tracking.
 - Continued progress in addressing rad protection concerns identified during field work supervisor/first line manager meetings.
 - Completed revision to PRC-PRO-RP-387, *Sealed Radioactive Source Control*, in response to self-identified opportunities for improvement.
 - Completed Radioactive Source Work Site Assessment.
 - Qualified new Dosimetry Company Technical Authority.
 - Supported PFP in Protech personnel protective equipment evaluation.
 - Provided controller/evaluator support for several EP drill activities.
 - Completed Sr-90 Source Control effectiveness review.
- o Nuclear Safety deliverables prepared and transmitted to RL in October include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1403959, October 7, 2014, *Transmittal of the Waste Encapsulation and Storage Facility 2014 Safety Basis Annual Update, The Annual Unreviewed Safety Question Report, and the List of Safety Basis Documents.*
 - Letters received from RL in October include:
 - Letter, 14-NSD-0087_RL, dated October 3, 2014, *Natural Phenomena Hazards, Hanford Site, Washington.*
 - Letter, 14-NSD-0090_RL, dated October 8, 2014, *Approval of 2014 Annual Update to the Plutonium Finishing Plant (PFP) Safety Basis and Unreviewed Safety Question Summary Report.*
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 231 Condition Reports (CRs) were screened in October:
 - 1 Significant issues identified
 - 5 Adverse issues identified
 - 91 Track Until Fixed (TUF) issues identified
 - 53 Trend Only (TO) items identified
 - 80 Opportunity for Improvement (OFI) items identified
 - 1 Screen Out
 - 171 CRs administratively closed.
 - 423 CR actions administratively closed.
 - One NTS report was submitted: NTS-RL—CPRC-SOLIDWASTE-2014-0001, *Technical Safety Requirement (TSR) Violation due to Failure to Complete Limiting Condition of Operation (LCO) Actions.*
 - Three external Lessons Learned were submitted to OPEX.

- Coordinated planning of November review by the Defense Nuclear Facility Safety Board (DNFSB) review of the PFP Ventilation System, Back-out Plan, and High Mass Glovebox Coordinated a walk down of PFP by the DNFSB on Tuesday, November 04, 2014.
- Coordinated the monthly CHPRC/DNFSB Information Request Status call.
- Coordinated one DNFSB conference call concerning the Sludge Treatment Plant.
- Forty-Two documents were provided in response to DNFSB requests for information.
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Lead/Participated in the EFCOG ISMS/QA operational working meeting.
 - Supported/Attended the Environmental Quality Assurance Corporate Board meeting.
 - Provided team orientation for the Nuclear Safety Performance Evaluation Board conduct of operations focused review of S&GRP to be performed in November.
 - Supported SHS&Q-2014-MA-13113, CH2M HILL Plateau Remediation Company (CHPRC) Management Assessment of the Contractor Assurance System specific to Corrective Action Management, Performance Analysis and Lessons Learned.
 - Performed an integrated review of CHPRC General Employee Training on the topics of Integrated Safety Management System, Environmental Management System, and VPP in support of a restructuring effort to streamline the training.
 - Continued integrated review of PRC-MP-MS-003, *Integrated Safety Management System Description*.
 - Continued programmatic restructure/revision of the CHPRC Assessment Program processes.
 - Provided specific mentoring and feedback to assessors and responsible managers that conducted management assessments.
 - As a result of internal workshops to review the CHPRC Assessment Program Plan and associated assessment process documents, initiated the development of the CHPRC Assessment Fundamentals computer-based training course.
 - Supported the Project Technical Services organization in their fabrication of Ion Exchange Vessels and Split-Spoon Fixtures for the Ground Water Project.
 - Assisted the Waste and Fuels organization in procurement and testing of the waste containers for over-packing of the concrete waste box located within the Central Waste Complex.
 - Supported the Plutonium Finishing Plant in their review of performance issues with the new MSA respiratory equipment used at the facility.
 - Coauthored a white paper on the challenges posed by the need to Commercially Grade Dedicate Safety Software for presentation at the October QA EFCOG meeting.
 - Supported the EFCOG Transportation working group in the review of their proposed Drum Procurement Guide. Review of this document was a joint effort of the CHPRC Transportation and Quality Assurance organizations.
 - Received the Annual DOE-HQ OCRWM Audit report that documents their review effort conducted in June of this year.
 - Continued to work with Lockheed Martin Information Services and the CHPRC Strategic Planning organization in the resolution of OCRWM records issues identified during this review.
 - Supported S&GRP in the review of contracts and submittals for 100N Bioventing, KR-4 High Radiation Well Drilling, Hyporheic Zone Sampling, and Well Geophysical Data Logging.
 - Continued efforts in support of MSA in the evaluation of the NQA-1-2008, Part II, Subsection 2.15 for inclusion within the Hanford Site Hoisting and Rigging Manual (HSHRM.)
- 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:** Implementing Revision 2A across CHPRC.
- o **Action:** Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 597 CHPRC facilities. Additional personnel resources from MSA are being utilized for conducting Be assessments/characterization in PRC facilities. Weekly Be product status as per RL is being received from Be CAP committee.
- o **Issue:** Accident & Injury Reduction.
- o **Status:** Continue investigating recent recordable and DART injuries to determine cause, prevention and reduction.
- o **Action:** Continuing to interface with project personnel, supporting EZACs and project safety meetings for continued focus on injury prevention. Improved TRC/DART rate trends are demonstrating that these efforts are being effective.
- 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 NDA equipment and process upgrades, and development of DSA Revision 12.

Environmental Program and Strategic Planning (EP&SP)

- **Compliance Status**

- o RL received a Notice of Intent to file letter from EPA on ETF. Letter alleges concerns over waste storage location and related LDR timing. Discussions were held with EPA and it is expected that EPA will formally respond on the waste location issue, the LDR concern appears to be favorably resolved.
- o A draft letter on areas of pre-existing compliance concerns has been drafted. This will be discussed with RL prior to issuance. RL has been very supportive of this effort.

- **RCRA Permitting Progress**

- o Closure plan production sessions resumed with Ecology. RCRA permit renewal progress is slow with the current Ecology focus on revisions to the Hanford Emergency Management Plan (HEMP). CHPRC is working with other contractors on this effort.

- **Environmental Management System (EMS)**

- o FY2015 objectives and targets have been established.

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

- **Accomplishments**

- o ECQA completed an effectiveness review of the process outlined in PRC-PRO-EP-52795, *Environmental Requirements Management*. The assessment focused on whether an effective process exists that establishes responsibilities and actions for documentation (identification and verification) of environmental requirements. Lines of inquiry included development of compliance matrices for four priority Projects (PFP, CWC, T Plant, 100K). The review also included a line of inquiry on whether an effective process is in place to verify that appropriate controls are incorporated into the applicable implementing documents. Two opportunities for improvement were identified, one recommending that PRC-PRO-EP-52795 be updated to include lessons learned and clarifications, and the second recommending to the S&GRP POC considering the use of the Excel Dashboard developed by the 100K project team to track status of their assigned matrices.
- o A post-demolition walk down was conducted by ECQA on October 21, 2014, at the abandoned 200 West Construction Forces Facilities Complex. The intent of the walk down was to determine through visual inspection if construction debris, including asbestos containing materials (ACM),

had been satisfactorily removed from the demolition site. The inspection team did not find any ACM during the walk down and no condition reports were issued.

Environmental Requirements Management

- o Kicked off the implementation of Phase II of the DOORS for Requirements Management.

Business Services

• Acquisition Planning

- o Assisted S&GRP with development of SOW and NCJ for new Membrane Bioreactors for additional treatment capabilities at 200W Pump-and-Treat Facility.
- o Assisted S&GRP with development of SOW for new offloading station for purge water at 200W Pump-and-Treat.
- o Assisted DWF&RS with procurement activities associated with WESF Stabilization/Ventilation Project W-130. Current contract for Detailed Design and five upcoming procurement activities to support FY2015 work scope. Attended weekly status meetings.
- o Participated as member of EZAC Safety Observation Team for vehicle safety awareness campaign.
- o Represented CHPRC at the Tri-City Chamber Business Expo.

• Finance

- o Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits. Audits targeted to be completed by calendar year end.
- o October month end completed with one suspension due to GPP funding

• Human Resources

- o The letter for the Compensation Increase Fund and Salary Structure Request was formally submitted to RL for approval.

• Labor Relations

- o Continued to work with other contractors on the HAMTC Officers pay.
- o Participated in arbitration on NCO lead workers. Arbitration decision expected in December timeframe.

• Procurement

- o Awarded/amended 145 contracts with a total value of \$7.24 million. Additionally, awarded 187 new material purchase orders valued at \$1.2 million to support ongoing project objectives.
- o At the end of the first 73 months of the PRC, procurement volume has been significant; \$2.15 billion in contract activity has been recorded with approximately 50.37 percent, or \$1.086 billion, in awards to small businesses. This includes 6,644 contract releases, 17,861 purchase orders, and 209,994 P-Card transactions.
- o On October 31, 2014, CHPRC issued Contract 53921-2 to Columbia Energy & Environmental Services for STP ECRTS for Buyback Set 2 in the amount of \$352,023.14. This contract was awarded as a Firm Fixed Price type contract based on competition to CHPRC's approved Safety Significant Fabrication Basic Ordering Agreement holder.

Prime Contract and Project Integration (PC&PI)

• Contracts Compliance and Change Management

- o In October, Prime Contracts Compliance received and processed eight (8) contract modifications (numbers 365 and 368-374) from RL. Correspondence Review received and determined the distribution for 73 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 47 outgoing correspondence packages.
- o Two Notice of Change (NOC) letters were provided to RL in October.
- o Submitted the PM-00 Annual Self-Assessment for FY2014.
- o Submitted three completion package letters for six FY2014 Performance Measures.

Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Request for Equitable Adjustments submitted	Supplemental Information submitted	Change Proposals definitized on or ahead of 180-day metric	Other Proposals Definitized
3	0	3	0	0

- o Estimating & Program Support provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Awaiting RL’s disposition of CO 240 - PFP Chemical Hazard Investigation and Mitigation of Chemical Lines.
 - Initiated work on a Fair Cost estimate to assist in the procurement of a temporary demolition boundary fence on October 29, 2014.
 - Sludge Treatment Project (STP):
 - Awaiting RL’s disposition of REA 012 1454 - *Sludge Treatment Project Work Scope Priorities and Sequestration Impacts*. Initiated development of a response to the RLCO’s email of October 8, 2014, questioning the justification of change cited in the submitted REA, related to funding provided by RL. A response will be provided in November 2014.
 - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
 - Submitted the following proposals:
 - o CO 258 – *Turnover of the Integrated Disposal Facility Performance Assessment to Office of River Protection*, on October 15, 2014.
 - o CO 252 – *UPR-100K-1 and 116-KE-3 Waste Site Design Completion and Field Work In Accordance With Sampling Instruction*, on October 16, 2014
 - Received and initiated development of a proposal in response to CO #263 – *ERDF Leachate Transfer Pipeline Construction*, on October 9, 2014.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Submitted CO #260, *100-NR-2 Bioventing*, on October 9, 2014.
 - Submitted supplemental information, including results of Truth In Negotiations Act (TINA) review that was conducted in preparation for negotiations, for the following:
 - o CO #256 – *200-BP-5 Design and Install-Ready Activities*, on October 29, 2014;
 - o CO #257 – *200-UP-1 Iodine Hydraulic Containment*, on October 29, 2014.
 - Received and initiated development on proposals in response to the following:
 - o CO #261 – *Installation of Upload Station at 200 West P&T*, on October 1, 2014;
 - o CO #262 – *200 West P&T Membrane Bioreactor*, on September 30, 2014;
 - o CO #264 – *200-UP-1 Uranium Treatment Inside 200 West P&T*, on October 23, 2014.
 - Initiated development of a Request for Equitable Adjustment for impacts associated with RL’s decision to close the on-site analytical laboratory services via the Mission Support Alliance, WSCF laboratory, on October 20, 2014.
- o Functional Area Support:
 - Safety, Health, Security & Quality
 - Submitted supplemental information, including results of TINA review in preparation for negotiations for CO 248, *Chronic Beryllium Disease Prevention Program, Revision 2a*, on October 30, 2014.
 - Project Technical Support:
 - Completed a fair cost estimate for a repair of the 105 K West Reactor roof

- Initiated a fair cost estimate for paving of a parking lot at the 6267 Building
- Provided support to review and estimate claims submitted by the subcontractor (FEC) working on the STP Annex.
- Initiated development of a Rough Order Magnitude estimate in support of decisions to install a time keeping verification system at CHPRC. The estimate is due for review and discussion with RL in November 2014.
- o Estimating Systems Administration
 - Conducted Sage software upgrade and testing during the week of October 20, 2014, with representatives from LMIT, the software owner (Sage) and a support vendor, EOS. Was successful in downloading software upgrades to new Structured Query Language (SQL) servers. Testing will continue in the month of November to investigate and clear several noted errors.
 - Scheduled and subsequently cancelled an on-line presentation with RL and DOE-EM Consolidated Business Division, Cost Estimating and Project Management Support, to evaluate the incorporation of the requirements of the Environmental Cost Analysis System (ECAS). Another attempt will be made to conduct the information exchange in November 2014. Meeting with RL were conducted in prior months, however questions on the implementation details remain.
- **EVMS Compliance and Reporting**
 - o Processed and incorporated 13 Baseline Change Requests (BCRs) into the Performance Measurement Baseline (PMB).
 - o Provided Work Authorization to all projects.
 - o Presented the Common Cause/Root Cause Evaluation for Issues Identified in Recent Earned Value Management Assessments to the Executive Safety Review Board (ESRB).
- **Strategic Planning and Integration**
 - o **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Facilitated CHPRC participation representatives in the Hanford Fire Station Consolidation-VE Study and participated in the session debrief, acknowledging management buy in on the preferred alternative and follow up actions.
 - Investigated scheduling concern with steam distribution safety training from MSA resulting in informative feedback related to the delay in scheduling. Understandable and agreeable resolution reached.
 - Facilitating review of WRPS proposal for new parking lot area near C Farm. Proposals are under consideration that will not intrude on CHPRC waste sites.
 - Facilitated CHPRC D&D resources support of MSA LTS S&M activities at cocooned reactors.
 - Facilitated CHPRC D&D resources support of the 283W Water Treatment plant pump replacement. CHPRC insulators will support on an as-needed basis.
 - o Annual Forecast of Services:
 - Status of usage based services needs ongoing and communicated to MSA as appropriate.
 - Communicated reduction of sheet metal dedicated services to MSA for PFP.
 - Issued FY2015 Life Cycle Solid Waste Forecast Data Request.
 - o Inter-Contractor Issue Resolution:
 - Attended weekly field interface and resource allocation meetings.
 - Participating in regular Interface Management leadership meetings with RL, MSA and WRPS.
 - Attended Snow Removal Plan kickoff meeting and reviewed the plan.

- Supporting resolution of stop work regarding radiological protection requirements associated with MSA Biological Controls work in or around CHPRC WIDS sites.
- o Controlling and Service Agreements:
 - HNF-23474 Revision 2, ICD between CHPRC and JCI for Hazardous Energy Control - Revision in process
 - HNF-46148 Revision 3, ICD between CHPRC and MSA for Water System Services (In USQ/Engineering release) - Revision in process.
 - HNF-50957 Revision 1, AIA between WCH and CHPRC for Operating the 300 Area Retention/Transfer/System - Cancelled.
 - HNF-41077, Revision 1, AIA between CHPRC and MSA for Use and Occupation of Buildings 6268 and 6269 - Cancelled.
 - HNF-3395, Revision 5, ICD between the 242-A Evaporator Facility and the Liquid Effluent Facility – Routing for approval.
 - New AIA for the Centralized Consolidation/Recycling Center Acceptance of Waste and Other Recycling Services in development and review process.
 - New AIA for Waste Treatment Plant Operational Readiness Review support undergoing review and contract scope analysis.
- o J.3 Table:
 - Reviewing WRPS proposed update to J.3 32 RSS Services item regarding updating ANSI references.
 - Reviewing MSA proposed update to J.3 30 Ecological Monitoring and Compliance relating specifically to the Migratory Bird Treaty Act.
- o J.13/J.14 Tables:
 - Received RL direction regarding transfer of ownership on 275W and 4707 from MSA - AIAs for occupancy and usage will be canceled upon update to the J.13 table.
 - Quarterly review and comment of J.13/J.14 tables ongoing.
 - Developing process flow diagram to facilitate discussions with DOE AMRP regarding process improvements to the J.13/J.14 review/approval processes and appropriate contract actions.
- o Internal Operations:
 - Completed Performance Measure PM-00 FY2014 Critical Self-Assessment input to CHPRC Contracts for “Integration with OHCs”.
 - Revision of Interface Management PRC-PRO-MS-10472 is in progress.
 - Continue support of ETF/LERF/TEDF transition to WRPS, as requested.
 - Continue to work field interface for the return of the LERF Basin 80 ton crane to WRPS.
 - Continue efforts on work management improvement initiatives relative to other contractors performing work in CHPRC facilities (Co-effort with PTS).
 - Provided monthly cost input to MSA for the CPIC Records Management Dashboard.
 - Investigating performance issues with the MSA Chlorinator Serviceman and support for the 100 and 400 area water systems operations and maintenance.

Information Management

- o Additional functionality has been identified for the Respiratory Protection Equipment Tracking automation. Software development of the additions is underway.
- o Continued inventory of all OCWRM holdings located at the 3212 Building to locate 1000 records that do not have specific box locations on the OCRWM Index. 73 percent of documents have been tied to a box location to date.
- o Provided IT, event logistics, and facilitation support to company manager meetings, EZAC, 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 Processed 17,700 Electronic Records into IDMS.

Project Technical Services (PTS)

• Central Engineering

- o Fire Protection Engineering
 - Released HNF-SD-FHA-002, Fire Hazards Analysis for the CSB Revision 9 on October 30, 2014. The revision addresses the required changes to reflect current operations and facility conditions.
 - Completed the three Month Combustible Loading Surveillance at T-Plant (TSR Requirement).
 - Completed the Annual Ignitable/Reactive Waste Inspection at T-Plant. (WAC Requirement).
- o Engineering Services
 - Supported Facilities & Property Management in the roof evaluation and repair of MO743.
 - Supported STP Engineered Container Retrieval and Transfer System (ECRTS) in the evaluation of the requirements for seismic restraint loading.
 - Supported S&GRP in the 90 percent design review of the 200-UP-1 Groundwater Operable Unit Remedial Design.
 - Supported an evaluation and subsequent technical justification of the WESF K1 aerosol testing methodology to support the stabilization and ventilation upgrades.
 - Reviewed and provided comments for a revision to the WESF Stabilization and Ventilation Project Functional Design Criteria.
- o Engineering Standards/Programs
 - Supporting RL in the review of the Draft Report of the Hanford Site-Wide Probabilistic Seismic Hazard Analysis. This study was conducted to fulfill the requirements for RL facilities as well as those for commercial nuclear power plants, through a collaboration and joint sponsorship between RL and Energy Northwest. The study also fulfills the requirement to develop an update to the PSHA as required by DOE Order 420.1B (Facility Safety; DOE 2005) and its recent update 420.1C (DOE 2012).

• Procedures and Training

- o Received a positive training oversight assessment from RL that resulted in no findings or opportunities for improvement and one noteworthy practice.
- o Submitted Training Implementation Matrix (TIM) revision to RL for approval.
- o Completed training management assessment; received an excellent rating.
- o Provided emergent steam distribution system training to two SOEs in support of LAMP process.
- o Provided training and procedures support for safety basis update activities at CPS&M, PUREX, REDOX, and U Plant.
- o Partnered with STP management to develop a training and procedures support plan for ECRTS project.
- o Completed procedures work site assessment on user participation in reviews and validations.

• Operations Program

- o PTS temporarily performing PM coordinator function supporting the DWF&RS 100K project until a full time replacement is in place.
- o Continued work on M&TE Calibration SOW, assisted coordination of Energy Northwest on site calibration of Circuit Breaker Testers at WESF and PFP.
- o MSA interfaces: worked with Biological Controls about the process for doing work at PRC

- o facilities.
- o Assisted SHS&Q with the PRC-MS-MP-003, ISMSD annual update.
- o Received and reviewed the consolidated comments from the Core Team on the draft for PRO-12115, Revision 4.
- o Coordinating a path forward with MSA on Craft Hazard Analysis.
- o Supported ETF facility management and work control manager with field issues identified during Work Control WSA.
- o Received RL approval of the T-plant EPHA update.
- o Supported Kickoff meeting with MSA and RL for November Drill for Exercise Credit at 100K. (Scenario Development).
- **Project Delivery**
 - o S&GRP
 - Completed SOW for Uranium Storage Inlet Tank for UP-1.
 - o DWF&RS
 - 90 percent complete for CWC roof repairs (2403WA/WB/WC, 2404 WA).
 - o PFP
 - Mobilized and commenced modification to Door 107 at PFP.
- **KW Annex Construction**
 - o Completed the SHELL COMPLETE MILESTONE on October 21, 2014 – pending paperwork to be submitted to contracts by November 5, 2014.
 - o Continued installation of outside stairs – NCR completion started November 3, 2014.
 - o Continued the layout of Mechanical (ME) and HVAC equipment.
 - o Completed EPDM roofing system installation and water roof test. Documented by surveillance DWF&RS-2015-SURV-15275.
 - o Started taking delivery of the ME (minus fire protection) safety significant material – on schedule for delivery of all material to site by November 13, 2014. Continued fire coating application touch ups.
 - o Continued fire UL listing white paper discussions
 - o Completed fire hydrant testing for NFPA updated flow information to confirm Hydraulic CALC favorable results.

Communications

- CHPRC Communications executed multiple meetings throughout the company to share FY2014 company achievements, FY2015 company goals and specific goals for each project or functional area. CHPRC President and Chief Executive Officer John Ciucci and Chief Operating Officer Bill Kirby shared their expectations and discussed their visions for the next year. Communications produced a video shared at these meetings that highlighted FY2014 accomplishments.
- CHPRC Communications supported the company's Legacy Programs through the creation of a Legacy intranet site where employees can learn more about the program, how to get involved and the accomplishments made in each of the Legacy areas. Specifically, under the People Legacy area, the Department created a Leadership Impact area where there are resources available from the Leadership Impact Initiative series of classes.
- The Department responded to an inquiry from Annette Cary, *Tri-City Herald*, regarding a missed Tri-Party Agreement Milestone for moving sludge away from the Columbia River.
- The Department also supported our Customer Legacy effort in helping advance critical cleanup decisions. The Department prepared public notice and advertisement announcing the availability of the Record of Decision for the 100 F/IU, completed the public involvement process for a Class 2 Modification to the Hanford Facility Dangerous Waste Permit for repairs to the Liquid Effluent

Retention Facility (LERF) liner and prepared for the public involvement process for the Class 3 permit modification to authorize construction to support ventilation upgrades and to grout and close hot cells that are no longer in use at the Waste Encapsulation Storage Facility (WESF).

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Office of the President	0.1	0.1	0.2	0.0	0.0%	(0.1)	-60.8%
Internal Audit	0.0	0.0	0.0	0.0	0.0%	0.0	15.0%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	49.6%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-19.6%
Safety, Health, Security and Quality	1.0	1.0	0.9	0.0	0.1%	0.1	11.0%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-5.2%
Business Services	1.3	1.3	1.4	0.0	0.0%	(0.0)	-2.6%
Prime Contract and Project Integration	1.6	1.6	1.3	0.0	0.0%	0.3	16.8%
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	(0.0)	-4.0%
Indirect WBS 000 Total	5.0	5.0	4.8	0.0	0.0%	0.3	5.4%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

Variance is within reporting thresholds.

CM Cost Performance: (+\$0.3M/+5.4%)

Variance is within reporting thresholds.

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

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Office of the President	0.1	0.1	0.2	0.0	0.0%	(0.1)	-60.8%	1.7
Internal Audit	0.0	0.0	0.0	0.0	0.0%	0.0	15.0%	0.7
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	49.6%	1.2
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-19.6%	1.0
Safety, Health, Security and Quality	1.0	1.0	0.9	0.0	0.1%	0.1	11.0%	13.7
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-5.2%	4.3
Business Services	1.3	1.3	1.4	0.0	0.0%	(0.0)	-2.6%	16.2
Prime Contract and Project Integration	1.6	1.6	1.3	0.0	0.0%	0.3	16.8%	23.0
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	(0.0)	-4.0%	7.2
Indirect WBS 000 Total	5.0	5.0	4.8	0.0	0.0%	0.3	5.4%	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: (+\$0.3M/+5.4%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-15-009R0 – HPIC Updates October 2014

