

Monthly Performance Report

February 2015

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

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

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

Monthly Performance Report

February 2015

Date Published
March 2015

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

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

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

APPROVED

By Ashley R Jenkins at 3:46 pm, Mar 26, 2015

Release Approval

Date

**Approved for Public Release;
Further Dissemination Unlimited**

TRADEMARK DISCLAIMER

Reference herein to any specific commercial product, process, or service by tradename, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

This report has been reproduced from the best available copy.

Printed in the United States of America



J. A. Ciucci
President and Chief
Executive Officer

Monthly Performance Report

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

February 2015
CHPRC-2015-02, Revision 0

CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	4
KEY ACCOMPLISHMENTS	5
MAJOR ISSUES.....	6
EARNED VALUE MANAGEMENT	6
FUNDING ANALYSIS	7
BASELINE CHANGE REQUESTS	7
SELF-PERFORMED WORK.....	11
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	11

PROJECT BASELINE SUMMARY SECTIONS

Section A – Nuclear Materials Stabilization and Disposition of PFP (RL-0011).....	A
Section B – Spent Nuclear Fuel Stabilization and Disposition (RL-0012)	B
Section C – Solid Waste Stabilization and Disposition (RL-0013)	C
Section D – Soil and Groundwater Remediation Project (RL-0030)	D
Section E – Nuclear Facility D&D, Remainder of Hanford (RL-0040).....	E
Section F – Nuclear Facility D&D, River Corridor (RL-0041).....	F
Section G – FFTF Closure (RL-0042).....	G

APPENDICES

Appendix A – Contract Performance Reports
Appendix B – Project Services and Support (WBS 000)

EXECUTIVE SUMMARY

In February, visible progress occurred in CH2M HILL Plateau Remediation Company's efforts.

- At the Soil and Groundwater Remediation Project (S&GRP) the AVANTech IX uranium treatment train arrived in early February and is undergoing installation at the 200 West Pump-and-Treat facility. S&GRP contractors completed approximately 65 percent of the pipeline welding activities to support the uranium extraction system. Additionally, the Environmental Protection Agency (EPA) approved the 200-UP-1 drilling sampling and analysis plan on February 24, 2015.
- Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) began preparing the 1601D transfer facility for demolition. The transfer building is no longer used or needed so crews are working to reduce the footprint. Crews also constructed drilling shelters and installed the drill pads for borehole drilling near the 100K East Reactor Facility.
- Inside the McCluskey Room at the Plutonium Finishing Plant (PFP), employees removed the face and top of WT-2, the glovebox that was the location of the incident in 1976 that injured Harold McCluskey. PFP employees also sealed out an additional four pencil tank units, bringing to 185 of 196 total Pencil Tank units sealed out.



The uranium treatment train arrives at the 200 West Pump and Treat facility.



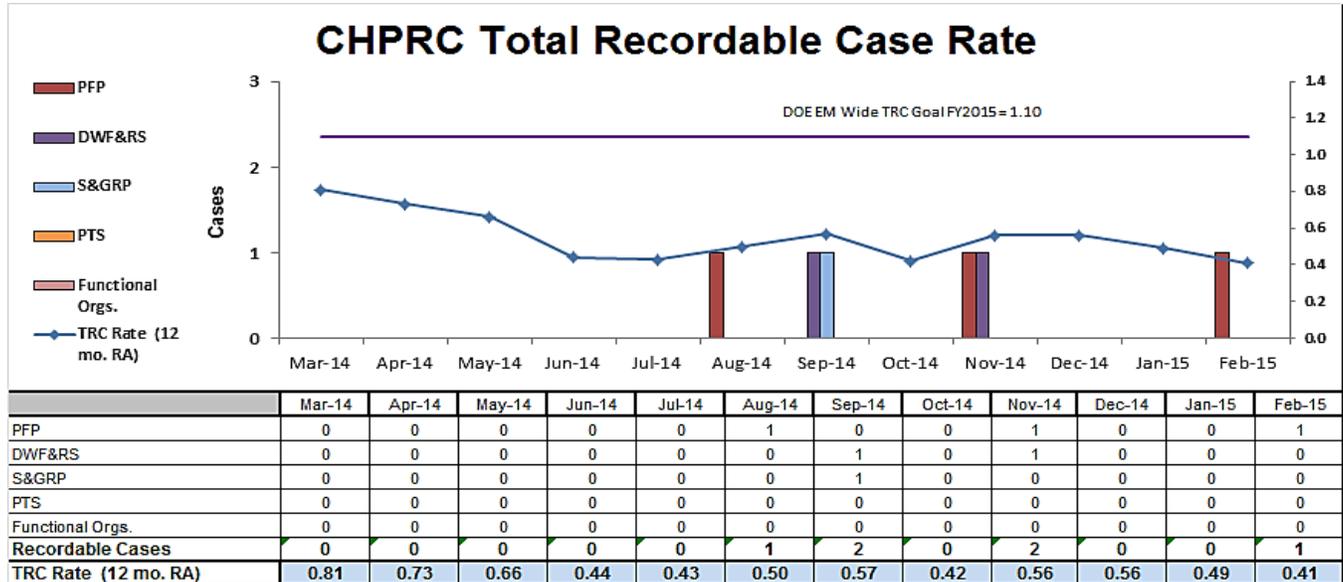
Internal components of WT-2 are visible after crews removed the face of the glovebox.

- The February 2015 President’s Zero Accident Council (PZAC) meeting was hosted by the PFP Project. The three main themes and presentations for the meeting were:
 - Healthy Heart, Healthy Living
 - 2014 Respiratory Protection
 - PPE, Essential-Not Optional
- Five “Thinking Target Zero” (TTZ) bulletins were published in February to convey important occupational safety, health and environmental messages:
 - Respirator Issue – Debris in Mask Special Safety Bulletin
 - Traffic Safety
 - Hand Protection
 - Voluntary Protection Program (VPP) - Hanford Atomic Metals Trade Council (HAMTC) Safety Representatives
 - EMS ISO 14001 Re-certification
- February *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - Traffic Safety
 - 360° Vehicle Inspections
 - Heart Health Month
 - Fitness for Duty
 - REAL ID Compliance
 - Safety and Health Inspections
 - Read and Follow Labels
 - Hand Safety
 - Choose the Right PPE For The Job
 - Smoking Policy
 - Slips, Trips and Falls
 - Safe Driving
 - “What Would You Do?” Ethics Awareness messages
 - Injury/Illness Summaries and the TTZ of the week
- Weekly Updates in February featured a blog outlining safe and compliant progress in the S&GRP. A blog by Lead HAMTC Safety Representative John Hendry recognized the active commitment of the HAMTC Safety Reps to teaming with management and the workforce in supporting improvements in safety, communications and compliance.
- The February Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:
 - A PFP radiological control technician noticed foreign material inside a respirator during a pre-use inspection which prevented a potential serious safety issue.
 - A HAMTC Safety Representative and VPP Co-Lead, was appointed as treasurer for the VPP Region X board of directors.
 - A S&GRP radiological control technician noticed and reported a transfer hose that was sun checked so it could be replaced with something more weather resistant.
 - A S&GRP Environmental Compliance Officer (ECO) observed and reported a spill of an oily substance in the gravel; the affected gravel was cleaned up and properly disposed.

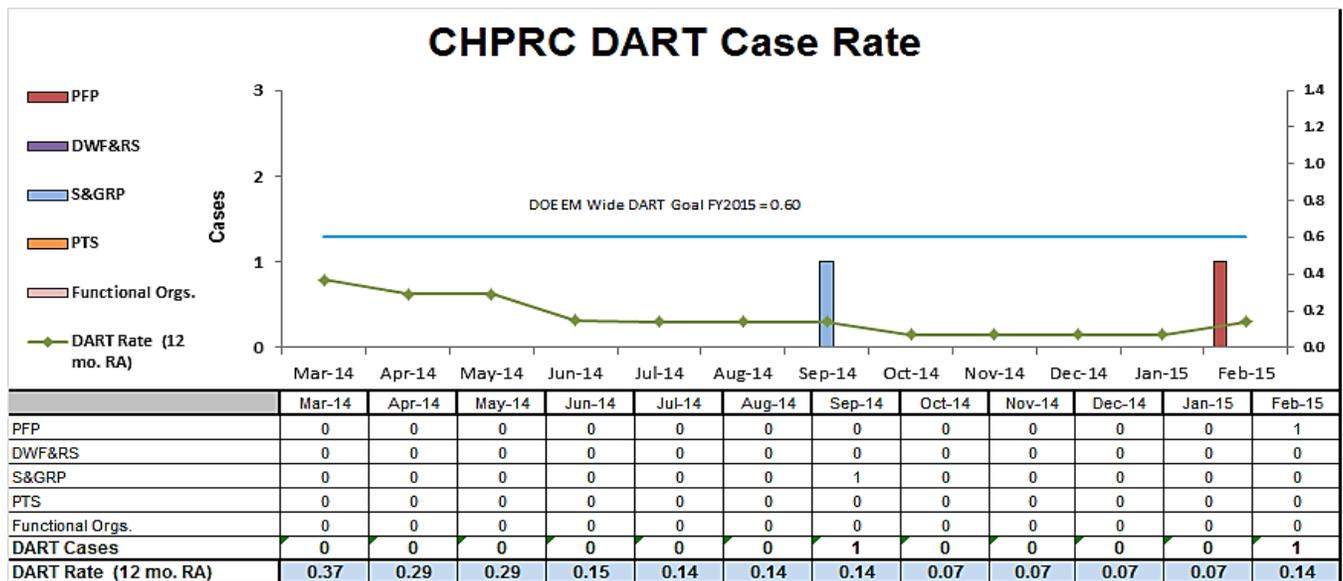


TARGET ZERO PERFORMANCE February 2015

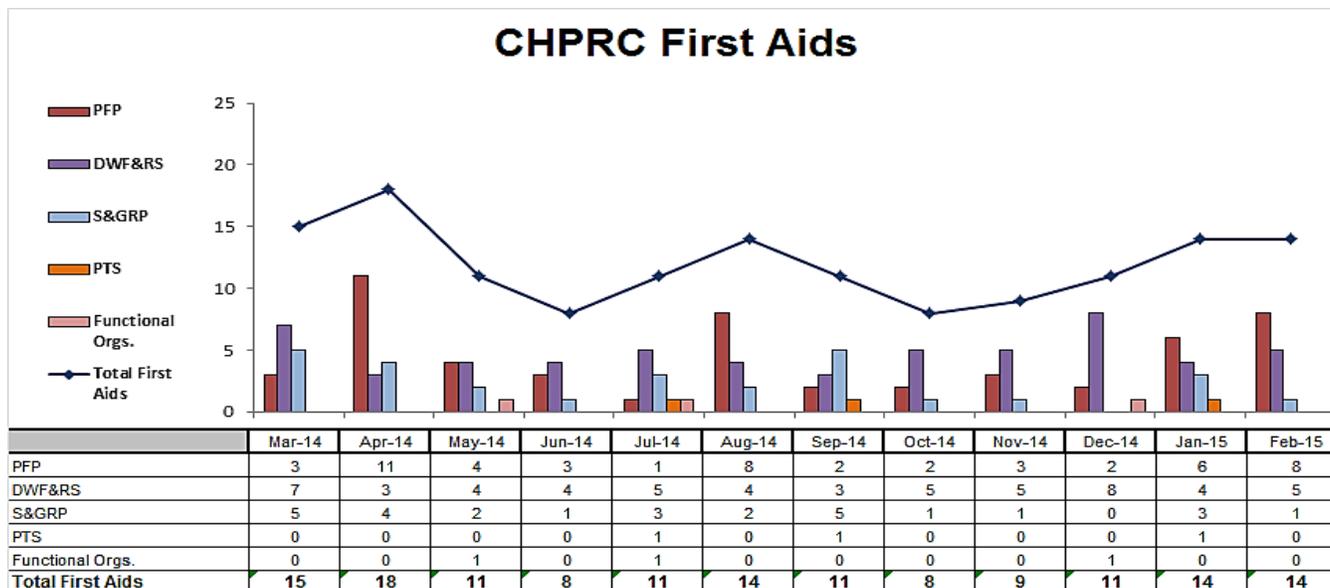
CHPRC continued focusing on integrating safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.41 is based on a total of six Recordable injuries. There was one Recordable/DART case in February. There are two 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 0.14 is based upon a total of two Days Away cases. There was one Recordable/DART case in February.



First Aid Case Summary – CHPRC reported fourteen first-aid cases in February 2015; of these fourteen cases, ten cases required no treatment. There was one self-treated injury. The contributors were five potential exposures, four sprains/strains/pains, one abrasions/contusions and one miscellaneous injury.

KEY ACCOMPLISHMENTS

Projects

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

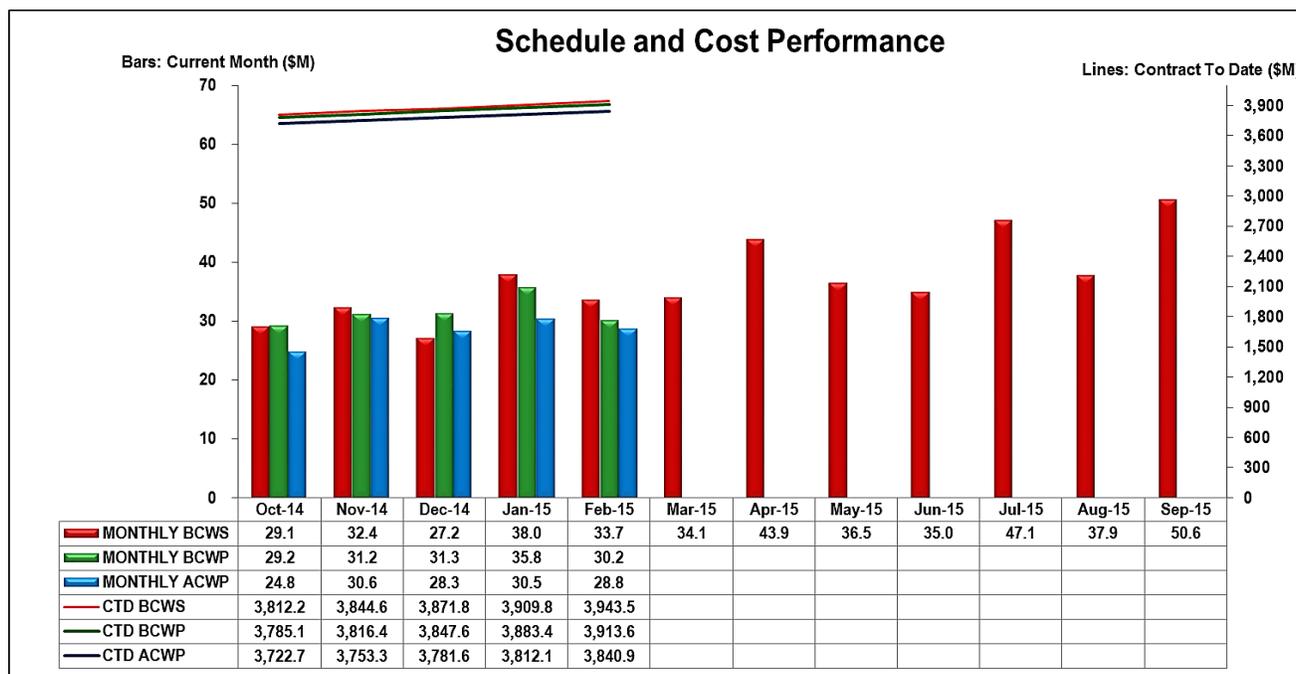
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M						\$M					\$M		
	Current Period			Contract to Date			Contract to Date			Contract Period				
	Budgeted Cost	Actual Cost	Variance	Budgeted Cost	Actual Cost	Variance	BAC	EAC	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	8.3	6.7	7.9	(1.6)	(1.1)	773.4	741.8	779.8	(31.6)	(37.9)	938.7	950.1	(11.4)	
RL-0012 - SNF Stabilization & Disposition	5.8	5.9	5.3	0.2	0.7	465.9	469.5	479.6	3.7	(10.1)	695.5	716.0	(20.6)	
RL-0013 - Solid Waste Stab & Disposition	8.0	7.2	5.5	(0.8)	1.8	916.7	917.8	874.6	1.1	43.2	1,354.0	1,263.8	90.2	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.1	9.1	8.7	(1.0)	0.3	1062.5	1060.4	1044.9	(2.2)	15.5	1,529.8	1,489.0	40.9	
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.8	0.8	0.0	(0.0)	393.4	393.3	362.5	(0.1)	30.8	463.5	432.7	30.8	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.5	0.2	0.5	(0.3)	(0.3)	312.6	311.9	284.0	(0.8)	27.9	394.7	365.3	29.5	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.1	0.1	(0.0)	0.0	18.9	18.9	15.5	(0.0)	3.4	26.6	20.0	6.5	
Total	33.7	30.2	28.8	(3.5)	1.4	3,943.5	3,913.6	3,840.9	(29.8)	72.7	5,402.9	5,236.9	165.9	

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

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$165.9 million with \$78.4 million of Management Reserve for a total positive variance of \$244.3 million.

For February, the project was 10.5% behind schedule and 4.7% under planned cost. For FY2015, the project was 1.6% behind schedule and 9.3% under planned cost. The schedule variance was primarily attributed to PFP delays in completing work on removal of filter boxes 19 and 21 as a result of issues with ventilation air flow and interference removal. S&GRP also contributed to the variance due to early completion of drilling on four 200-ZP-1 wells and five draft 200 East closure plans as part of FY2014 buyback scope, submittal of the 200-SW-2 RI/FS WP three months ahead of the baseline schedule, and a slowdown in number samples taken and analyzed now that the high water sampling has been completed. The cost variance was primarily due to implementation of planned efficiencies across 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	118.0	118.7	(0.7)
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	81.6	80.6	1.0
RL-0013	Waste and Fuels Management Project	86.3	80.5	5.9
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.7	135.5	2.2
RL-0040	Nuclear Facility D&D, Remainder of Hanford	12.5	12.4	0.1
RL-0041	Nuclear Facility D&D, River Corridor	6.8	8.0	(1.2)
RL-0042	Fast Flux Test Facility Closure	1.4	1.2	0.1
Total Base:		444.2	436.9	7.4

Funds/Variance Analysis:

FY2015 expected funding changed in February from \$445.1M to \$444.2M per revised guidance from RL. The reduction of \$865K is to support contracts funded directly by RL such as Shelby Office Supplies, Advanced Technologies and Laboratories, etc. Although the overall Spending Forecast reduced \$2.6M, funding challenges continue primarily in PBSs RL-0011 and RL-0041. This will be resolved with revised guidance expected in March that authorizes an additional \$35.7M for FY2015.

BASELINE CHANGE REQUESTS

In February 2015, CHPRC approved and implemented eight (8) 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-012-15-003R0	<i>Delay of T Plant Modifications</i>	This BCR defers select T-Plant Modification scope out of FY2015 into FY2016 and impacted FY2016 scope into FY2017 to align with anticipated final FY2015 funding targets. This change increased the PMB by \$416K due to changes in rates and escalation between years.
BCR-030-15-013R0	<i>Definitization of REA 030 1465 – 300 Area RI/FS and Proposed Plan</i>	This BCR incorporates work associated with the definitization of REA 030 1465 – 300 Area RI/FS and Proposed Plan, per Contract Modification (CM) 387, into the PMB. This change increased the PMB by \$26K.
BCR-PRC-15-017R0	<i>Definitization of CO #257, 200-UP-1 Iodine Containment</i>	This BCR incorporates work associated with the definitization of Change Order (CO) #257, 200-UP-1 Iodine Containment, per CM 376, into the PMB. This BCR decreased the PMB by -\$2,999K.
BCR-PRC-15-020R0	<i>Definitization of CO #258, Turnover IDF Performance Assessment to WRPS</i>	This BCR incorporates work associated with the definitization of CO #258, Turnover IDF Performance Assessment to WRPS, per CM 352, into the PMB. This BCR decreased PMB by -\$291K.

Change Request #	Title	Summary of Change
BCR-PRC-15-021R0	<i>Performance Analysis & Risk Management</i>	This BCR establishes the scope associated with the formation of the new PC&PI organization, Performance Analysis & Risk Management, in the PMB. This action is required per Corrective Action Plan, Action PA12, as documented in CR-2014-2322, Need For a More Rigorous and Formal CHPRC Project Productivity Process, which was submitted to DOE-RL CHPRC. The added scope is offset by a reduction to GW Lab Analysis & Data Management sampling and analysis consistent with the change from WSCF to commercial laboratory rates. A follow on BCR will address the balance of the impact of the change from WSCF to commercial laboratory. This BCR did not change the PMB value.
BCR-PRC-15-022R0	<i>Schedule Health Revisions – February 2015</i>	This BCR incorporates schedule health revisions for PBSs RL-013, 030, 040 and 042 into the PMB. This BCR did not change the PMB value.
BCR-041-15-006R0	<i>PBS RL-041 Schedule Health Revisions – February 2015</i>	This BCR incorporates schedule health revisions for PBSs RL-041 into the PMB. This BCR did not change the PMB value.
BCR-PRC-15-024R0	<i>Undistributed Budget Adjustments February 2015</i>	This BCR incorporates changes to Undistributed Budget for baseline changes processed and contract modifications received during the month of January. This change increased the PMB by \$970K.
BCR-012-15-003R0	<i>Delay of T Plant Modifications</i>	This BCR defers select T-Plant Modification scope out of FY2015 into FY2016 and impacted FY2016 scope into FY2017 to align with anticipated final FY2015 funding targets. This change increased the PMB by \$416K due to changes in rates and escalation between years.

Overall, the contract Performance Measurement Baseline budget decreased (\$1,878K).

Management Reserve Activity

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

There were no changes to Management Reserve during February.

Fee Activity

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

There were no changes to Fee during February.

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):

February 2015 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
January 2015 Estimate									
PMB	3,391,477	391,653	446,834	443,590	372,169	359,045	2,013,291	5,404,768	5,404,768
MR	0	0	6,285	21,000	20,506	30,649	78,440	78,440	78,440
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
Total	3,546,981	405,978	466,620	484,390	401,475	406,267	2,164,730	5,711,711	5,711,711
February 2015 Change									
PMB									
Change to PMB	0	0	-1,438	-361	4,193	-4,272	-1,878	-1,878	-1,878
MR									
Change to MR	0	0	0	0	0	0	0	0	0
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	-1,438	-361	4,193	-4,272	-1,878	-1,878	-1,878
February 2015 Estimate									
PMB	3,391,477	391,653	445,396	443,229	376,363	354,772	2,011,413	5,402,890	5,402,890
MR	0	0	6,285	21,000	20,506	30,649	78,440	78,440	78,440
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
Total	3,546,981	405,978	465,182	484,029	405,668	401,994	2,162,852	5,709,833	5,709,833

Changes to/Utilization of Management Reserve in February 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
January 2015 MR Totals								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	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
February 2015 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
February 2015 MR Totals								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	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 -2/28/2015				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
	\$ Value	%	Goal %	Contract-to-date awards:	\$2,186,653,761
				Bal remaining to award:	\$220,196,799
				Goal award\$	Bal to Goal
SB	\$1,108,690,640	50.70%	49.3%	\$1,186,577,326	\$77,886,686
SDB	\$191,966,688	8.78%	8.2%	\$197,361,746	\$5,395,058
SWOB	\$217,765,106	9.96%	7.5%	\$180,513,792	-\$37,251,314
HUB	\$38,647,564	1.77%	2.2%	\$52,950,712	\$14,303,149
VOSB	\$130,694,583	5.98%	3.5%	\$84,239,770	-\$46,454,814
SDVO	\$64,710,177	2.96%	1.3%	\$31,289,057	-\$33,421,120
NAB	\$31,639,891	1.45%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
Large	\$588,869,851	26.93%	N/A		
GOVT	\$2,200,445	0.10%	N/A		
GOVT CONT	\$482,866,522	22.08%	N/A	Total Contract (mod 393):	\$5,696,680,278
EDUCATION	\$96,593	0.00%	N/A	17% rqmt:	\$968,435,647
NONPROFIT	\$3,616,281	0.17%	N/A	SB actual:	\$1,108,690,640
FOREIGN	\$313,428	0.01%	N/A	Bal to rqmt	-\$140,254,993
Total	\$2,186,653,761	100.00%	N/A		

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

February 2015
CHPRC-2015-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	0	220 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	150	18,221 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	-	173 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	0	57 m ³
TRU/TRU-M Shipped	2	1,499 m ³
LLW/MLLW Shipped	69 m ³	6,132 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 96 percent complete.

- Received concurrence from RL for removal of Stairwell 12 Door 353 and enlarging the door opening to facilitate SWB traffic into and out of the 234-5Z Duct Level. An implementation plan has been drafted and is ready to initiate upon management direction.
- Completed size reduction and seal out of 236-Z Pencil Tanks 124/125 (4 Units)
- Performed NDA on all tanks in the 242-Z Tank Room
- Continued work on size reduction of WT-2 Glovebox in 242-Z Control Room
- Completed removal of filters in Filter Box FB-21
- Completed E4 stub removal in Room 148
- Removed 150 feet of asbestos
- Replaced 21 tritium exit signs with phogoluminescent signs
- Removed 26 feet of Duct Level duct and drilled holes for internal fixative application

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1	1	<ul style="list-style-type: none"> Employee was moving conduit with pry-bar, felt pain in right arm, taken to HPMC. Employee was recommended to see personal doctor, diagnosed as torn bicep and scheduled for surgery.
Total Recordable Injuries	1	3	(Case noted above)
First Aid Cases	8	53	<ul style="list-style-type: none"> 2/2/15 - Employee bumped the side of his face with a bagged PAPR and chipped a crown. He was taken to HPMC, examined, referred to an outside provider, and returned to work with no restriction (23573). 2/4/15 - Employees (3 NCOS & 2 RCTs) reported smelling an "acid" and having a metallic taste in their mouths. Employees were taken to HPMC for evaluation and returned to work with no restriction (23575). 2/4/15 - Employees (3 NCOS & 2 RCTs) reported smelling an "acid" and having a metallic taste in their mouths. Employees were taken to HPMC for evaluation and returned to work with no restriction. On 2/5/15 two employees returned to HPMC with additional symptoms, were evaluated and returned to work without restrictions (23576 - Exposure, chem-post/potential). 2/4/15 - Employees (3 NCOS & 2 RCTs) reported smelling an "acid" and having a metallic taste in their mouths. Employees were taken to HPMC for evaluation and returned to work with no restriction. On 2/5/15 two employees returned to HPMC with additional symptoms, were evaluated and returned to work without restrictions (23577 - Exposure Rad/Chem - Acute). 2/4/15 - Work crew complained of chemical smell and exited room. Employee surveying work crew complained of headache and was transported with work crew to HPMC for evaluation, blood draw, and urinalysis. Employee was released to work without restriction and with HPMC follow up to review lab results (23578). 2/4/15 - Employee reported leather work gloves turned purple on finger tips & palms. Removed gloves and an acidic odor was detected. Effected individuals were transported to HPMC for evaluation, blood draw, and urinalysis. Employee was released to work without restriction and with HPMC follow up to review lab results (23579). 2/11/15 - Employee developed shoulder pain while working inside a glove box. Employee taken to HPMC and released to return to work with a restriction of no lifting over 10 pounds, no use of right arm above the level of the heart, and no reaching with his right arm. The employee is making an appointment with a private physician to examine his shoulder (23586) 2/23/15 - Employee stepped on a yellow jacket (electrical cord protector) and rocked foot on edge. Employee taken to HPMC, diagnosed as having a left foot strain/sprain. He was treated and released to returned with a restriction of limited standing, walking, stair climbing and no ladder climbing (23598).
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Received concurrence from RL for removal of Stairwell 12 Door 353 and enlarging the door

opening to facilitate SWB traffic into and out of the 234-5Z Duct Level. An implementation plan has been drafted and is ready to initiate upon management direction.

11.05 Disposition PFP Facility

242-Z

- Performed NDA on all tanks in the 242-Z Tank Room
- Continued work on size reduction of WT-2 Glovebox in 242-Z Control Room

234-5Z

- RMC Line
 - Removed vacuum pump from HC-18M, which reduced enough hold up to avoid Insitu Size Reduction.
 - Prepped HC-18M for temporary storage until egress path available.
- Duct Level
 - Completed removal of filters in Filter Box FB-21
 - Completed E4 stub removal in Room 148
 - Removed 150 feet of asbestos
 - Replaced 21 tritium exit signs with phogoluminescent signs
 - Removed 26 feet of Duct Level duct and drilled holes for internal fixative application

236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
 - Completed size reduction and seal out of 236-Z Pencil Tanks 124/125 (4 Units)

MAJOR ISSUES

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

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

Status – The DSA/TSR was submitted to RL on January 8, 2015. The team has submitted Hazard Analysis comment resolutions to RL for concurrence, and is in the process of responding to comments on the DSA/TSR. Approval of the DSA is expected early April, 2015.

Issue – Additional Non Destructive Analysis (NDA) Equipment needed to assist in reducing the Material at Risk values at PFP

Corrective Action – Three independent systems have been procured to assist in safeguards measurements. One is an Ortec System, which is a hand-held NDA measurement tool; the second and third are Canberra Germanium Counters.

Once systems have been calibrated and are approved by safeguards, a few of the applications these systems could be used for include:

- Ortec System – 242-Z Tank Room tanks, PRF Canyon floor and walls, 291-Z Plenum.
- Canberra Systems – Trenches, 242-Z Tank Room tanks, 291-Z Stack. A dedicated system could also be placed in the A-Labs area to deal specifically with 242-Z waste.
- Once the Ortec and Canberra systems are approved for safeguards measurements they will be utilized to assay waste at the point of generation.

Status –

- Ortec system - Writing and validation of the calibration and operating procedures is ongoing. Comments have been given to the procedure writer for incorporation.
- The collimator has been delivered and calibration of the Ortec instrument has commenced.
- Canberra systems – Calibration has been completed and the systems have been deployed.
- The first glovebox measured with new equipment was HC-1H. In addition tank W12 in 242-Z was measured with new equipment.

Issue – Tightfitting respirators found with resin beads in them. Caused from a failed water softener at Uni-Tech Services.

Corrective Action – A stop work was called on the use of tight fitting respirators processed at Uni-Tech post December 15, 2014.

Status – A team of PFP employee's has inspected respirators, post processing at Uni-Tech. The stop work was modified to include only the FireHawk respirators due to the inability to inspect below the cover plate on the exhalation valve. Those respirators that pass the inspection are added to a list that is kept at the PFP mask issuance station and are allowed to be worn. On Thursday, March 5, 2015, 112 respirators were inspected and 80 passed. The remainder of the FireHawk respirators are scheduled to be inspected on March 11, 2015.

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-009: Aging Building Systems/Components Problems Impact Planned D&D Activities	Included life extension upgrades as part of FY-14 Annual Baseline Update and include HEPA filter replacement, replacement of air compressors, and electrical switchgear upgrades. Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies. Perform vibration monitoring on the supply and exhaust fans, maintain spare parts for motors. Perform visual and other non-destructive test methods on fans to look for cracks or other defects. Establish an aggressive fan vibration monitoring/surveillance program. Utilize results from inspections to remove fans from service for repair prior to catastrophic failure.			During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a "Key Project Risk". Risk will no longer be reported on but risk will continue to be monitored internally, and reported on if this risk is realized.
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.			During the month of February projects conducted several risk reviews and it was determined that this risk will be closed and no longer reported on as this risk is an internal management function.
PFP-083: System Back-Out Plan Implementation Extends Schedule	Identify Back-out Plan implementation activities, durations, logic ties, and resources; and integrate these activities in the project execution schedule. Work activities may be re-sequenced to minimize impacts to the critical path schedule. Where needed, utilize subcontractors with credibility and experience for analysis and document preparation support. Work closely with DOE-RL and Regulators to identify review points to streamline approval process and reduce approval turnaround durations.			During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a "Key Project Risk". Risk will no longer be report on but risk will continue to be monitored internally, and reported on if this risk is realized.
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.			Revision 11 has been implemented. Peer reviews and an independent review have been completed and comments incorporated into the DSA/TSR. A review copy of the DSA/TSR and supporting documents was provided to RL on January 8, 2015 for comment. Working comment resolution on DSA, TSR, and FHA with RL review team. Should impasse appear imminent, we will elevate to RL risk authority for resolution prior to formal submittal to RL for approval. It is expected that Revision 12 will be implemented late-June 2015, with no additional controls enforced.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
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. Teams continued to perform characterization activities in the month of February.
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	Work with RL and the regulators to gain an understanding of the requirement and how it will be applied during demolition. Accelerate PRF Pencil Tank removal. Obtain assay measurements of the PRF floor once the pencil tanks are removed to facilitate revision to environmental documents (i.e. EECA). The revision to the environmental documents will allow for modification of end-point criteria and define the regulatory interpretation of "1-kg" as related to PRF.			CHPRC Counsel has discussed the meaning/intention of the Action Memo and EE/CA statements pertaining to residual contamination remaining in the slabs and below grade portions of PFP following structure demolition, specifically the "may contain significantly less than 1 kg" sentence. The RL Office of Chief Counsel concurs that the sentences in the EE/CA and Action Memo were merely estimates based on the information available at the time, 10 years ago. Formally presented, CHPRC position to RL project, legal, and contract personnel regarding "significantly less than 1 kg"; awaiting formal position from RL (No date has been provided to CHPRC for RL position). CHPRC contracted with SRNL to perform characterization efforts once bulk area cleanout and floor decontamination is complete (3 rd week in May). This is not expected to impact PRF canyon floor grouting activities.
PFP-094: Approval of CSER Documents	A team of professionals is being assembled to develop the CSER Documents. 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.			During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a "Key Project Risk". Risk will no longer be report on but will continue to be monitored internally, and reported on if this risk is realized.
242-Z Risks				
PFP-242-02: 242-Z Characterization Laboratory Results Delayed	1.) Coordinate sampling results and analysis in conjunction/sequence with planned D&D activities such that the results are back prior to the need date to support D&D. 2.) Communicate with laboratory the sampling plans, priority, and expected results of the samples currently being analyzed. 3.) Expedite sampling turnover times 4.) Have pre-approved work packages prepared in advance for other portions of work. This will allow work to be re-sequenced to maintain effectiveness and efficiencies of the work team (Complete). 5.) Utilize overtime to recover schedule to recover from delays.			During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a "Key Project Risk". Risk will no longer be report on but will continue to be monitored internally, and reported on if this risk is realized.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
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 February to characterize early.
Balance of Plant Decontamination/Decommissioning Risks				
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.	●	↔	During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a “Key Project Risk”. Risk will no longer be report on but will continue to be monitored internally, and reported on if this risk is realized.
PFP Demolition Risks				
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	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.	●	↔	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 PFP ventilation, and field characterization of E4 ducting continue when crews are in a given survey unit. As characterization unit survey plans are developed, they will be added to work packages. SOW was complete in the month of February, and intial meetings with PNNL were conducted. Initial results are expected the end of May, 2015. The updated air dispersion model will be completed by September 30, 2015.
PFP-DEMO-12: PFP/PRF Demolition Contamination Levels	HAZCAT II controls will remain in place for the balance of the demolition activities. Waste packaging will be adjusted as needed to meet transportation requirements or ERDF waste acceptance criteria; however, these actions will not be taken unless the contamination levels warrant the additional packaging.	●	↔	During the month of February projects conducted several risk reviews and it was determined that this risk is no longer a “Key Project Risk”. Risk will no longer be report on but will continue to be monitored internally, and reported on if this risk is realized.
PFP-DEMO-19: PFP & PRF rubble and debris disposition	Treatment will likely be in the form of waste blending for acceptance at ERDF. However, due to levels of transuranic isotopes present, the waste may need to be packaged into drums or boxes for transfer to CWC for storage and certification for off-site treatment and disposal.	●	↔	During the month of February projects conducted several risk reviews and it was determined that this risk will be closed and no longer reported on as this risk is already covered under PFP-DEMO-12.

PRF Cleanout/Decontamination Risks				
PFP-PRF-01: PRF Canyon Cleanout Scope Increases	Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach.			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. Data collected will also be factored in planning for entries to install grout conveyance system. Canyon floor grouting CSER is proceeding and scheduled completion date is March 16, 2015. Canyon clean-up is proceeding based on current plans to complete pencil tank size reduction, remove debris pile and loose debris on floor, perform floor grouting, then characterize walls and perform decontamination. The grouting evolution is expected to be initiated upon completion of Pencil Tank Size Reduction, late May 2015. During the month of February projects conducted several risk reviews, and it was determined that the risk impacts for this risk are captured under PFP-DEMO-02.
PFP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth	Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.			Canyon Crane worked as expected in the month of February. Functional monitoring will continue as canyon crane is currently expected to continue to function for pencil tank size reduction (late May 2015). Maintenance was performed on the crane in the fall when the crane malfunctioned. No further maintenance activities are expected for FY2015. However, if the crane fails, manned entries will be made to determine event. If crane fix is not immediate, work force will be diverted to other high priority work until the canyon floor is grouted and pencil tank size reduction will be completed with manned entries.
PFP-PRF-22: OPP: NDA Process Allows for Section Results to be used	Improved NDA process allows for disposition of gallery gloveboxes into waste containers by using section data rather than summation of entire glovebox resulting in schedule efficiencies.			By using the improved NDA process for each specific glovebox section, the Gallery Gloveboxes may be more efficiently size-reduced and loaded-out during demolition.
RMA/RMC Glovebox Removal Risks				
PFP-GB-02: Glove boxes Isolation/Internal Strip out takes longer than planned	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.			During the month of February projects conducted several risk reviews and it was determined that this risk will be closed and no longer reported on as this risk has passed with no secondary risks identified.
PFP-GB-06: Readiness Assessment Required Prior to Insitu-size Reduction	Complete PRC-PRO-OP-055 early in the planning phase. Develop SOW for outside support to lead CHPRC readiness review activities. REB process to ensure RL management agrees with decision to complete readiness assessment.			The QNSR has been submitted to RL indicating an RA is not necessary or warranted, according to our internal processes and procedures for evaluating level of startup rigor. Risk will be closed once a decision is made by RL to proceed. DOE-RL made a decision that a RA is not required prior to in-situ size reduction activities. This risk will be closed and no longer reported on as there is no secondary risk related to the RA.
RL-011/WBS 011 Unassigned Risks				
Currently there are no unassigned risks for RL-0011.				

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	8.3	6.7	7.9	(1.6)	-19.1%	(1.1)	-16.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$1.6M/-19.1%)

The current month unfavorable schedule variance is associated with delays in completing work on removal of filter boxes 19 and 21 as a result of issues with ventilation air flow and interference removal. This team was slated to begin work on the 26" process vacuum piping system and is causing an impact due to lack of resource availability. In addition, a formal stop work associated with the E4 stub and process vacuum removal on the first floor of 234-5Z due to potential asbestos contributed to the variance. Additionally, field work teams that were planned to work on Column gloveboxes in PRF have been reassigned to work higher critical path work scope in the facility (i.e., in-situ size reduction of high gram gloveboxes in RMA/RMC). Partially offset by working behind schedule work scope associated with glovebox removal in the 234-5Z Remote Mechanical C (RMC) Line and 242-Z Control Room. The D&D project management WBS is apportioned to the discrete D&D work and therefore contributes to this variance as well.

CM Cost Variance: (-\$1.1M/-16.4%)

A stop work for tight fitting masks and installation of new Breathing Air compressors are contributing to the negative variance this period. In addition, new field work supervisors and D&D workers have been hired to accelerate scope in the balance of 234-5Z and while formal on-the-job training is performed, charges are incurred with less than favorable progress on planned discrete work activities. The current month unfavorable cost variance primarily relates to progress on discrete D&D work scope (apportioned). Lack of progress on D&D scope resulted in a negative schedule variance while a constant staff provides D&D support services. This is partially offset by recognized efficiencies associated with cleanout of the HC-18M glovebox no longer requiring in-situ size reduction efforts as the plutonium holdup quantities are low enough to allow for shipment for PermaFix Northwest.

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	773.4	741.8	779.8	(31.6)	-4.1%	(37.9)	-5.1%	938.7	950.1	(11.4)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$31.6M/-4.1%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$37.9M/-5.1%)

The Cost Variance is within reporting thresholds.

Variance at Completion (-\$11.4M/-1.2%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	118.0	118.7	(0.7)

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 changed in February from \$118.4M to \$118.0M per revised guidance from RL. The reduction of \$0.4M is for RL to directly fund Advanced Technologies and Laboratories, Shelby Office Supplies, and fund support of a nuclear safety documentation review. Projected Funding remained near \$118 million. The Spending Forecast increased from the prior month and includes actions anticipated to achieve the funding targets.

Critical Path Schedule

The new PFP critical path runs through removal of the 242-Z gloveboxes, removal and/or size reduction of the 242-Z tanks, and preparing the 242-Z facility for demolition. Once ready, demolition begins on the PRF facility, then 242-Z/242-ZA and finally the 234-5Z facilities leading to completion of the final Tri-Party Agreement milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCRA-PRC-15-023R0 - *HPIC Updates February 2015*

BCR-PRC-15-021R0 - *Performance Analysis & Risk Management*

BCR-PRC-15-022R0 - *Schedule Health Adjustments*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-I & 291-Z Facilities	09/30/15		6/13/16	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		8/11/16	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)

February 2015
CHPRC-2015-02, 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. Continued debris dose rating and relocation activities in 105KW Basin.
- Approval of the Preliminary Documented Safety Analysis (PDSA) received on February 5, 2015 via letter 15-NSD-0027_RL. The Safety Evaluation Report included three Conditions of Approval (COAs). RL has requested submittal of a new or revised Sludge Transport and Storage Container (STSC) headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiative for spray leak methodology/spray leak control and for sludge layering have been approved which will now allow design modifications and related procurements related to layering to begin. All design changes will be reviewed through the unreview safety question-like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs.
- The ECRTS Project continues to process additional procurement packages and has them in the formal acquisition process. Progress continued with the eight fabrication contracts that have been awarded to date.
- Continued testing activities at the Maintenance and Storage Facility (MASF) and preparations for cold commissioning.
- Continued Operator training and familiarization with ECRTS components at MASF along with fabrication on support tools and equipment.
- STP Annex Construction continued to make progress on fire coating application, heating/ventilation/air conditioning (HVAC) installations, gypsum wall installations, hydronic piping and initiated swing shift for fire sprinkler installation and electrical focus.
- In-Basin Construction fieldwork for installing electrical equipment and Door 148 Modifications continued.

EMS OBJECTIVES AND TARGET STATUS

15-EMS-DWFRS-OB1-T2	Reduce the risk of noncompliance with environmental requirements.	Develop compliance matrices for 100K CERCLA documents.	9/30/15	50%
---------------------	---	--	---------	-----

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	2	22	<ul style="list-style-type: none"> Employee was descending stairs lost balance and fell against railing. Body part affected: Abdomen (23583) Employee was using pole tool to move some heavy equipment. The employee developed low back pain. Body part affected: Low back (23603)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement awarded fabrication contracts for Procurement Sets #2 (GS Retrieval and Transfer System Components), and #3.
- In-Basin Construction, completed installation of hanger supports, layout of enclosure panels at door 148, removed trolley from the door 148 monorail, and installation of door 148 temporary enclosure and cover over existing penetrations.
- Annex Construction completed a walk down of fire coating to initiate punchlist, gypsum wall board installation on 2-line in high bay/intermediate bay transition, low pressure test of the fire protection piping in the intermediate and high bay areas, and painted the gypsum wall at 2-line. Also, a touch up painting on fire protection piping in intermediate and high bays has been completed.
- XAGO Pump Skid mockup was delivered to 100K.
- Completed design for a steel frame for lifting the ingress/egress assembly from the cart and placing it in the pit.
- 100K Operations performed troubleshooting of Integrated Water Treatment System (IWTS) P-4 Variable Frequency Drive (VFD) and completed Work Package 4W-14-04523, Semi-Annual P-16 Pump Motor Lubrication.

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-011D: Additional Sludge Storage Space Required at T-Plant	The baseline includes funding and resources to clear 3 cells (+3 already ready) that would store 36 STSCs (less 1 for Overpack and 2 for LDC's). The STP will continue to evaluate alternative sludge loading evaluations, based on updated characterization data, which may allow higher sludge loading per each STSC, and reduce the overall number of STSC required and lower the risk. It is assumed that the cell cleanout and installation of the additional liner/containment systems for the additional cell can be done in parallel with the receipt of STSC (one STSC every two weeks) with only 8 days of impact per month due to the crane being used for receipt and unloading of STSC's. (4 months x 8 days = 32 days of impact). Additional mitigation is that the need for an additional cell will be determine at least 6 months before the receipt of the last STSC based on operating history and efficiency of the STSC loading system at K Basins. To minimize impacts, early indication need to be given early.			This Critical risk is an out year risks, and will not be triggered until ~ 6 months prior to the receipt of the last STSC. Pending PDSA approval to allow blending of sludge types, this will reduce the total number of required STSC further mitigating this risk. In addition, management is continuing to review blending approaches to reduce the estimated number of STSC's. <i>No change from the prior.</i>
STP-018: STP Operational Upset or Spill	Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin. Full-scale testing and training to respond to events are performed at MASF. Conduct rigorous startup testing following system installation at the 105KW Basin and Annex as this will validate the "leak-tightness" of the system. ALARA practices are used to train workers to minimize impacts for events, but response to events requires detailed investigation. Overtime may be used to respond to events.			Mockup training for the operators on the test equipment has continues in MASF with Cold Commissioning of Process Equipment to start in FY2016.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
STP-067A: Safety Significant Components	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 Revision 1 will be formally submitted to RL in September 2014.			CHPRC Nuclear Safety personnel were integrated on the ECRTS Design Team. CHPRC personnel conducted in-process review of the proposed PDSA revision (Rev. 1) with RL. This document was consistent with CHPRC nuclear safety requirements and the project specific accident analysis. This revision of the PDSA incorporating the results of supporting analyses and design changes developed to incorporate ECRTS process system nuclear safety initiatives implementation was submitted to RL for approval on September 22, 2014. A PDSA Safety Evaluation Report (SER) containing 3 Conditions of Approval (COAs) has been transmitted to CHPRC on February 5, 2015 (1500632/15-NSD-0027_RL). RL has requested submittal of a new or revised STSC headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiatives for spray leak methodology/spray leak control and for sludge layering have been approved, which will allow design modifications and related procurements to begin. All design changes will be reviewed through the USQ-Like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs. The project schedule has been updated to reflect the impact of the COAs and project personnel are proceeding with execution of this work.
STP-072: Delayed STSC/ECRTS Procurement & Delivery	Identify qualified vendors up-front, conduct fabricator on-site inspections, and ensure proactive involvement of engineering, QA, Project Controls, & Procurement personnel.			Risk mitigation strategy is effective – At this time, no forecasted delays. Continue to work closely with fabrication vendors (ABW Technologies Inc., Columbia Energy and Environmental Services, and HiLine Engineering and Fabrication Services). SSC fabrication risks have been effectively managed. Weekly interface meetings are held to ensure that fabrication challenges are discussed and appropriately resolved.
STP-073: Processing Efficiency - Retrieval & Shipping	Review lessons learned from NLOP sludge retrieval. Incorporate operations personnel recommendations into the ECRTS Process System & STSC design. Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin. Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency. Additionally the project is evaluating alternatives to reduce the total STSC's by optimization of sludge loading.			Lessons Learned from previous NLOP Sludge Processing have been incorporated into the current sludge retrieval process system design. Extensive testing at the STP Test Facility (MASF) has been completed to validate the process system capability on sludge simulant. Operations personnel had training on the process system equipment and will continue to participate in training activities through production system installation at 100K.
STP-073-A: OPP: Process Less Than 24 STSC's	The Project is able to reduce the number of STSC's purchased and filled to 18 STSCs. Project Planning believes 18-24 is now the range.			The project sought and received RL approval to layer sludge from more than one engineered container, which will load STSCs in a more efficient manner. It is anticipated that layering STSCs will reduce the total number of STSCs required to store sludge by up to 25% of the previous baseline forecast.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
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.			The existing inventory of spare parts will be maintained at T-Plant or scavenged from other similar on-site cranes. During Initial startup/transition activities, the facility is doing an internal work site assessment after it re-staffs the facility, removes the tamper indicating tape from the canyon (i.e. allows canyon access) and complete the crane PM and all required life safety code inspections and testing. This will ensure the facility is ready to support the start of construction. This internal worksite assessment is in the project FES under ECDRM190, 200, 210, 220, 230 and ECDRM680. The expected finish date for T-Plant NLOP Work Site Assessment is October 22, 2015.
STP-085: Attrition Impacts Availability of Qualified Resources - T-Plant	Train second Crane Operator from CSB or other facility to support STP as a backup. To mitigate the consequences, provide OJT during min-safe activities and on overtime to provide training to new workforce.			T Plant management is looking to hire prior crane operator under subcontract to provide training and advice to the new crane operator at T-Plant to minimize impact caused by attrition.
STP-086: Sludge Storage Constructability Issues at T-Plant	Functional Design Requirements has been identified in HNF-6579. The Leak Detection and sump pumping transfer system is expected to remain adequate based on the 2001 design and been approved in a released FMP. Any code required changes would be captured in a future revision of the FDC. The worst-case impact is the system for storage at T-Plant must be redesigned as the cell configurations are not as planned. The most likely - mitigated case is that there are minimal constructability issues to resolve and shielding and/or purging systems can be designed and installed prior to placing sludge within T-Plant and existing lifting devices and design can be validated even for any design requirement changes with minimal impacts. Minimal interference issues are encountered.			To mitigation this risk T-Plant cameras were used to look for interferences and used computer modeling to verify that the containment systems and level frames can fit up through the rail tunnel and not interfere with the existing stairs. Documented in PRC-STP-00866, Figures 3-21, 3-22 based on the design and placement of the truck stop. To further mitigation potential impacts, PTS is slated to complete a constructability review in late April 2015. Followed up with revision of the T-Plant Design Document (Late May 2015). An expedited canyon entry and walk down is anticipated in April to help evaluate and or identify any unknown interference issues and support the constructability review.
STP-107: Design Changes Result in Installation Delays	Complete a full-scale cold commissioning test at MASF using the ECRTS Process System production hardware to establish an adequate level of confidence that obvious integration challenges are identified and corrected prior to formal system commissioning. Conduct walk down of design FMP with engineering to minimize errors. Incorporate design changes quickly to minimize cost impacts and avoid rework. Have developed a focused approach for handling contractor submittals and RCIs. Require contractor to provide daily impact reports so that delays can be minimized.			Incorporated constructability review cycle into the FES and it will be completed in stages as the FMP has become available for review from engineering. The intent is to incorporate review comments prior to design media being issued for contractor bid/award. The real risk related to design errors and omissions is the historical time frame required to prepare and issue a DCN or FMP. As a mitigation action the redline process for DCN's has been updated and clarified to provide more latitude for redline changes. In addition, a redline process for FMP's has been developed and the initial STP training session were complete in February. Additional training sessions will be scheduled in the future.
STP-111-A: Annex ECRTS Installation Contractor/Subcontract or 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.			ECRTS equipment installation in the K-Annex Facility has not started and will not start until after cold commissioning (late September 2016). However, in preparation for bidding the ECRTS equipment installation work scope, a Blanket Master Contract has been developed and the initial subcontractor evaluation was completed in January. Subcontractor ESL review by MSA QA representatives have been completed. Implementation plans are required for all 3 subcontractors.
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies. Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.			Operations continues to maintain the facilities in an operational status.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
STP-115: Attrition Impacts Availability of Qualified Resources - K-Basins	Perform cross training of existing staff; develop sub-contracting strategies allowing for rapid back-filling opportunities should personnel leave unexpectedly. To mitigate the consequences, provide OJT during min-safe activities and on overtime to provide training to new workforce. Evaluate offering incentives for staff to be retained or availability to recall individuals in FY-14.	●	↔	Staffing continues to be a challenge, currently working on filling out operations staff to support upcoming work.
STP-ANX-020: Contractor/Subcontract or 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.	●	↓	Majority of the Abli Clad repairs and associated impacts on mechanical and electrical contractors these delays have been reflected in the FES. In addition, recent delays by the General Contractor with the closeout of various NRC conditions (e.g., various bolt-related issues/conditions) and material and procurement delays have impacted the critical path schedule. Material procurement delays have impacted the fire piping installation, duct work installation, and impacted critical path electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room.
STP-ANX-023: Contract Close-Out	The project has provided significant support including additional resources and mentoring to clarify requirements, resolve a shortfall in subcontractor expertise in engineering, project controls and quality assurance. Additional field resources will be provided at restart that will include construction supervision, field engineering and procurement support to mitigate other subcontractor short falls, enhance communication and complete the project on time. However due to sequestration and a finalized recovery plan with the subcontractor(s) the path to success still has many challenges and inherent risk. Mitigated schedule impacts are not related to construction or operation.	●	↑	The project continues to prepare for eventual contract closeout. Efforts continue with the contractors to resolve change orders to limit eventual claims at the end of the job. Letter anticipated from CHPRC procurement (i.e., the week of March 16, 2016) in an attempt to facilitate response from General Contractor on status of change orders and magnitude of any claims.
STP-ANX-024: K-Annex Engineering During Construction Scope	Process Statement of Work (SOW) to provide additional support staff to aid in design reviews and take back the ownership of the Structural, Architectural and Electrical design.	●	↓	Implemented all feasible design and field engineering corrective actions. Monitoring A/E performance and field engineering facilitating where possible. Overall recovery challenged by recent loss of ME Field Engineer, Design Authority (i.e., Ventilation Systems) and STP FPE assigned to the Annex Construction. Replacement requisition issued for field ME, but backfilling for other resources will take several months.
RL-0012/WBS-012 Unassigned Risks				
STP-003:Sludge Sampling Requirements Change	There is a risk that WIPP or the State of New Mexico will not approve a sufficiency request that is based upon existing information and information gathered in the sampling campaign and will require RCRA sampling.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-004B:KOP Not Managed As Fuel	Knockout pot sludge is not managed as fuel but is unable to be treated for disposal at WIPP.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-009C:Sludge Retrieval Delays - Nuclear Safety	Sludge removal is delayed due to more stringent nuclear safety or transportation safety requirements than reflected in previously approved safety analyses, which results in changes to design and operational controls.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
STP-011C:Out of Scope T-Plant Upgrades to Store Sludge	Central Plateau receiving facility cannot receive sludge as scheduled.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-015:Stakeholder Challenge STP Path Forward	There is a risk that the path forward for sludge (storage on the Central Plateau pending treatment) will be challenged by stakeholders.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-019B:CSB Storage Capacity for Additional MCOs	The bounding hydrate values for MCO loading result in more MCO's for KOP material than planned and exceeds the available storage capacity at the Canister Storage Building.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-021:413.3A Tailoring for KOP	DOE-HQ does not accept the CHPRC tailoring approach as described in PEP for knockout pot sludge disposition.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-023:Safeguard Deviation Disposition Delays	DOE does not approve deviation request in 30 days.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-024:Accountability Measurements Require Sampling	Safeguards accountability measurements require laboratory measurements for KOP material.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-025:Delayed Safety Basis Document Reviews	Delayed RL review and disposition of safety basis documents for STP.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-026:External Authorization Basis Reviews Delay Schedule	Authorization basis documents require review by HQ, DNFSB, and National SNF Program with resulting schedule impacts.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-028:TSCA Determination Impacts KOP Disposition	KOP material is determined to be regulated under the Toxic Substances Control Act (TSCA).			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-029A:Container Sludge Does Not Meet RH-TRU Requirements	Container sludge is not accepted as RH-TRU for disposal at WIPP.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS-012				
STP-029B:Settler Sludge Does Not Meet RH-TRU Requirements	Settler Sludge is not accepted as RH-TRU for disposal at WIPP.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-066:Retrieval/Shipping Long-Lead Procurements	RL does not approve procurement of required long-lead procurement items prior to CD-3.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-074:Sludge Criticality Analysis	Approval on previous sludge criticality analysis is revoked.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
STP-076:RCRA Characteristics Prevent KOP Disposal as SNF	The KOP material product stream exhibits regulated hazardous characteristics that make it unacceptable for disposition as Spent Nuclear Fuel.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

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	5.8	5.9	5.3	0.2	2.8%	0.7	11.5%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (\$0.2M/2.8%)

Variance is within reporting thresholds.

CM Cost Performance (\$0.7M/11.5%)

The CM positive variance is the result of ECRTS Fabrication contracts that have been awarded at a lesser value than budgeted resulting in a positive variance. Sludge testing reduced resources to as low as possible as a result of deferral of procurement scope from FY2014 resulting in positive CV. 100K Program Management account is under-running as a result of resources supporting other work within the DWFRS Organization and efficiencies achieved by working with central groups to combine resources and reduce overall resource requirements.

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	465.9	469.5	479.6	3.7	0.8%	(10.1)	-2.1%	695.5	716.0	(20.6)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$3.7M/+0.8%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$10.1M/-2.1%)

Variance is within reporting thresholds.

Variance at Completion (-\$20.6M/-3.0%)

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	81.6	78.4	3.2

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0012 changed in February from \$81.7M to \$81.6M per revised guidance from DOE-RL. The reduction of \$0.1M is for RL to directly fund Shelby Office Supplies. The FY2015 Spending Forecast increased from prior month to reflect buy-back funding for Garnet and Sand Filter Conceptual Design work.

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 include the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal

Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin sludge removal from 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)

February 2015
CHPRC-2015-02, 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. Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) completed 60% design review, comment resolution is nearly complete. The Preliminary Fire Hazards Analysis (FHA) was released for the project. TRU Repackaging shipped 12 waste drums to PermaFix Northwest (PFNW) for WIPP-compliant packaging. Waste Receiving and Processing Facility (WRAP) performed five-year roof inspection. CHPRC continues to work toward transfer of the Liquid Effluent Facilities (LEF) to the Office of River Protection contractor, Washington River Protection Solutions (WRPS). In addition, LEF received 6 tankers – a total of 24K gallons (containing various waste water streams; e.g., Mixed Waste Burial Trench leachate, Ground Water perched water, and Tank Farms condensate).

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	2	29	<ul style="list-style-type: none"> Employee walked into lunchroom, slipped in water, and fell landing on knee. Body parts affected: Knee and low back. (23574) Employee bent over and struck head on door locking mechanisms. Body part affected: Head (23585)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Provided information to the “One System” organization at the Tank Operations Contractor on options/alternatives for Consolidated Waste Management Facility.

13.02 Capsule Storage & Disposition

- Completed:
 - Facility equipment reconfiguration and lockout/tagout (LOTO) activities in support of Automatic

Transfer Switch (ATS)-1 testing and repairs; then returned to normal facility configuration. Failed components have been identified and ordered

- o Asbestos removal, replacement and retest of 225BC-6300-12 check valve
- o Replacement of Pool Cell #11 gamma monitor and initiated calibration
- o 30-day functional testing of Pool Cell weight factor indicators and transmitters, Pool Cell beta monitor loop verification, and Continuous Air Monitor function testing
- o One-month diesel engine and standby generator test on 225B-DG-1 and 225BG-GEN-1
- o Annual backflow PMs in HVAC room and 225BC
- o Provided plant resource support to Project W-130 (Stabilization and Ventilation Project) activities
- o 21 PM work packages
- o Monthly Technical Safety Requirements (TSR) and environmental PM and surveillance requirements

- **WESF Stabilization and Ventilation Project (W-130):**

- o Completed (60%) design review, comment resolution is nearly complete
- o Released the preliminary Fire Hazards Analysis (FHA) for project
- o Revised Level of Review Startup Score sheet based on early feedback
- o Concluded public comment period for Class 3 Permit modifications and Closure Plan and continue to support Ecology in answering questions to support draft permit
- o Initiated discussions with Department of Health (DOH) on air permit required for new stack
- o Reached agreement with DOE-RL on the definitization of Change Order #259 which encompasses the design phase of the project
- o Performed canyon entries to remove miscellaneous waste and prepare for 15-ton crane reactivation

13.03 Canister Storage Building (CSB)

- Performed/Completed:
 - o Five-year Pressure Safety Valve (PSV) replacement of PSV-728 and PSV-720 on the Multi-Cask Overpack (MCO) sample system
 - o Monthly and quarterly preventive maintenance (PM) on west vehicle arrest (Nasatka®) barrier
 - o Annual Material Handling Machine (MHM) rail clip hold-down bolt surveillance
 - o Installation of MHM wheel graphite lubrication
 - o Annual Air Handler AH-001/002 lubrication and inspection
 - o 22 PM activities

13.06 TRU Repackaging

- Shipped 12 waste drums from CWC to PFNW for repackaging
 - o Initiated repackaging at PFNW

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Six-month air handling unit 401 inspection
 - o Decontamination shower repairs (returned to service)
 - o Monthly and annual testing of emergency lights and exit signs
 - o Five-year roof inspection
- Surveillances/PMs:
 - o Seven TSR surveillances
 - o 12 PM packages
 - o 91 Radiological (Rad) surveillances
 - o 30 Operational surveillances

13.08 T Plant

- Performed/Completed:
 - Six month Deluge® Riser PM
 - 2706 T/TA Smoke tests in preparation for gas cylinder venting
- Surveillances/PMs
 - Six TSR surveillances
 - 249 Rad surveillances
 - 29 PM packages
 - 165 Operational surveillances

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

- Performed/Completed:
 - Received two recently vented waste drums from T Plant
 - Lid closure and torquing of 5x5x9 waste box used to support 231ZDR-11 waste collection
 - Sprayed tumbleweeds in W5, 3A, and 3AE. Initiated work on 4B/4C Burial Grounds
 - Floor repair work in 2403-WD (caulking repairs 50% complete)
- Surveillances/PMs:
 - Six TSR surveillances
 - 25 PM packages
 - 177 Rad surveillances
 - 154 Operational surveillances
- Shipments Received:
 - One drum and five boxes from PFNW to Mixed Waste Trench (MWT)
 - Four Standard Waste Boxes (SWBs) from PFNW to CWC

13.11 Liquid Effluent Facilities (LEF)**Effluent Treatment Facilities (ETF)**

- Repaired Air Vacuum Relief Valves (AVRV) on Groundwater (GW) 12, 16, 20 and 24
- Continued pumping water from top of Basins 42, 43 and 44 covers back into basins
- Monitored the fabrication and procurement of the new Heat Exchanger by vendor (delivery scheduled May 2015)
 - Quality Assurance (QA) and Engineering performed second in-process surveillance of fabrication
- Performed extent of conditions walk-down of Treated Effluent Disposal Facility and State Approved Land Disposal Site manholes
- Down-posted inside the fence south of Basin 43 to support Groundwater well sampling access
- Replaced high-contamination area postings at Basin 44 and augmented signage at Basins 42 and 43
- **Maintenance Completed:**
 - Three-year cooling tower water flow calibrations
 - Annual Liquid Effluent Retention Facility (LERF) basin leak detector calibrations
 - Semi-annual vessel off gas flow transmitter calibration
 - Annual Uninterruptible Power Supply inspection
 - Replaced failed Hoist Manufacturers Institute computer at 2025ED
 - Replaced local control unit cabinet batteries
 - Biennial lubrication of the Pump Station #3 pumps
 - 2025E stack flow calibration
 - Secondary Waste Receiving Tank B pump replacement
 - 242AL P42/43/44 pump controller inspection
- Shipped:

- o 5 waste containers
- Received 6 tankers:
 - o 24K gallons (125K fiscal year [FY])
- Treated effluent to State-Approved Land Disposal Site:
 - o 0.0 million gallons (0.0M FY)
- Discharged to 200A TEDF:
 - o 1.7 million gallons (81M FY)
- Received ERDF Leachate:
 - o 158K gallons (709K FY)

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

- Facility Modification Package and Engineering Change Notice approved and released and Request for Proposal (RFP) issued
- Bids received and “Notice of Intent to Award” sent to contractors
- Award of bid pending Washington Closure Hanford Record of Decision “Explanation of Significant Difference” approval by U.S. Environmental Protection Agency

Transition to WRPS:

- Commenced with two kickoff meetings with WRPS and ETF personnel
- Held weekly status meetings on transition activities
- Hosted four tours of ETF for WRPS personnel (>75 to date)

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 16 Rad surveillances
 - o 110 Operational surveillances
 - o One TSR surveillance
- Shipments:
 - o Shipped one 55-gallon drum of mixed low level waste (MLLW) to PFNW

MAJOR ISSUES

Issue:

Aging Fire Alarm Systems (FAS) have made it difficult to maintain reliable operation and obtain like-for-like replacement parts. These FAS are no longer supported by the manufacturer. Six of the existing Fire Alarm Control Panels (FACP) at CWC and T Plant are obsolete. Parts are no longer available from the manufacturer or Hanford Fire Department (HFD). It's likely that one of these FACP will fail within a year. The 2402 series buildings will require a FACP to support the new Remote Fire Alarm Reporter (RFAR) system. The existing RFARs are no longer supported by the manufacture. Hanford Fire Department has enough parts available to support their operations for about two years. Many of the SWOC FACPs were designed with limited abilities. Most FACPs were configured with all the supervisory devices (e.g. temperature monitor, tamper devices, air pressure monitor) on a single zone.

When a trouble signal is transmitted to the HFD, they cannot determine the cause until they perform an onsite investigation. When the HFD bypass RFAR trouble signals, all other trouble signals transmitted from the same FACP are ignored.

Corrective Action:

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

Status:

Hanford Fire Department has plans to replace the RFAR equipment starting with the Nuclear Facilities. The new RFAR systems will not update the Facility FACP and connecting devices. Hanford Fire is developing a project plan (for the MSA scope) including funding requirements to RL for authorization. This does not include the Facility FACP connecting devices.

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. RL has authorized some shipments and additional repackaging has been authorized with approval of specific items on the Integrated Priority/Buy Back Lists which will fund shipments for the balance of FY2015.

Issue:

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

Corrective Action:

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

Status:

Replacement costs included in current Integrated Priority List reviewed by RL in February were not authorized. Will continue to pursue available funding and investigating potential contract change.

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-0013/WBS 013				
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 June 30, 2016. A DOE-RL federal driver obtained their qualifications on November 24, 2014 and performed their first road-closure shipment from CWC to PFNW on December 18, 2014. DOE-RL has stated that second federal driver will not be available (either from DOE or from BPA); therefore, the capability to perform two shipments under one road-closure cannot occur. This will reduce shipment efficiencies and could postpone shipments should the one qualified driver not be available due to vacation, sickness or training. Additional road-closure shipments are identified for FY2015 to support DOE-RL performance objectives and on-going M-091 TPA negotiations for mixed waste. CHPRC continues to support these shipments as funding is authorized.
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 the month of December all priority 1 watch list have been overpacked and the project completed overpack of 231-ZDR-11 in January). Project will commence with priority 2 drums with lower priority in the coming months. In the month of February 12 drums were shipped to PFNW for repackaging.
WSD-120: WESF Major System/Equipment Failure	For the balance of WESF, the current maintenance program will continue with aggressive PM and CM program. However, since the filter system is being operated beyond recommended change out frequency there is a residual risk that the PM and CM program may not be sufficient to address the failure.			Automatic Transfer Switch (ATS) #1 failure at WESF is not considered a major system failure as no impacts to the project schedule are anticipated.
WSD-135: Major Equipment Failure at ETF	For the ETF process equipment, the ETF Maintenance team will continue an aggressive Preventative Maintenance and Corrective Maintenance program. Conduct market research and place contracts with vendors experienced in the inspection and repair of equipment similar to ETF.			In February 2014 the heat exchanger experienced failure and became both inoperable and unrepairable. The project has ordered a replacement heat exchanger which is expected to be received in May 2015. The current forecast of scope remaining reflects estimated cost to procure and repair heat exchanger late March. This risk will no longer be reporting on once the transfer to WRPS is complete.
WSD-137: OPP: Planned Efficiencies	Plan work activities and procurements to be as efficient as possible with minimal resources. Continue to monitor cost and schedule progress through the monthly reporting.			The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No change from last month.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-AO-02: Agreed Order Impacts on Non-Funded work scope	There is an agreement that this will not be included within the Agreed Order change proposal. Therefore, this risk is currently avoided. The performance of this work requires a DOE approved Baseline Change Request. The work will be re-planned during the change request process.			The Agreed Order did not include these additional requirements. The requirements dictated by the Agreed Order were incorporated into the contract scope of work and baseline via a contract modification and associated Baseline Change Request.
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. A permitting strategy has been prepared and was finalized in December. This agreement was reached with the regulators to allow public comment period (through March 3rd) for the Revised Part A Permit application and the revised Closure Plant to proceed prior to Ecology receiving a certified LDR treatability variance. CHPRC will work with RL and Ecology to resolve comments and draft permit as requested.
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 FY2015 funding profile, but has been added to the Integrated Priority/Buy Back list. The baseline has been adjusted to defer planning until June, which, if funded, will still significantly impact the ability to issue an RFP and award a contract in FY2015, which in turn, will delay completion of the project by a full year. Unless funding authorization is identified a BCR will need to be processed to defer the start of any remaining activities out to FY2016 and beyond.
RL-0013/WBS 013 Unassigned Risks				
WSD-AO-05: Permit Modifications Process Not Defined	The Agreed Order contains timing requirements for permit modifications; however, the permit is not finalized. The USDOE and CHPRC may have challenges submitting compliant permit modifications.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-ETF-01: Ecology Rejects Dangerous Waste Permit Application Part A Form	Ecology rejects current Dangerous Waste Permit Application Part A Form.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-TR-01: DOE Provided Drivers Not Available	Scheduling issues prevent the government provided Drivers from being assigned/available to make off-site waste shipments.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-001: TRU Retrieval Weather Delays – Inversions	Above and beyond weather delays impacts project schedule and cost.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-003A: CH-TRU Packaging	Two risks exist relative to CH-TRU waste packaging. The first risk is that WIPP changes the packaging requirements for CH-TRU. The second risk is associated with the lack of WIPP-certified packaging for those CH-TRU wastes that are unsuitable for the TRUPACT.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-005: Non-Defense TRU Discovered	TRU waste is discovered that cannot be tied to defense waste production.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-009:EBR-II Cask Retrieval	DOE directs retrieval of EBR-II cask as part of TRU retrieval.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-016:Safeguards & Security Changes	The risk is that safeguards and security requirement changes result in increased protection of wastes managed by WSD.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-018:CSB Major Equipment Failure	A significant equipment malfunction or failure is experienced at CSB.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-020B:ETF Operations - Treatment Residues	ERDF cannot accept ETF treatment residue waste.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-022:IDF Startup	The risk is that the IDF does not startup as scheduled or that the startup requirements are more stringent than planned in the baseline.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-022A:OPPORTUNITY - IDF Startup Requirements Reduced	The baseline provides for an RL ORR prior to IDF startup. There is an opportunity to reduce costs if a contractor readiness assessment is determined to be adequate.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-023:ERDF Transition to CHPRC	The Environmental Restoration Disposal Facility (ERDF) transition does not proceed as planned.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-026:Cs/Sr Capsule Design Uncertainties	The scope and design of the project to place Cs/Sr capsules into dry storage may change.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-033:WIPP Acceptance of Dose to Curie Calculations	TRU waste volume increases due to dose to curie requirements.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-034:Safeguards Required for Caisson Waste	Wastes retrieved from 200 Area caissons are subject to material protection requirements (Safeguards & Security).			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-041:Stakeholder Involvement in Cs/Sr Capsules	Stakeholder involvement in the strategies to place Cs/Sr capsules into dry storage impact planned approach or schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-045:Waste Facilities RCRA Permit Changes	RCRA final status permit conditions are more stringent than the interim status permit requirements, resulting in increased operating costs or facility modifications.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-051:Standard Waste Box Availability	Standard Waste Boxes (SWB's) are not available to meet TRU waste packaging schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-053A:Unable to Determine Isotopic Profile for CH-TRU Waste	Unable to determine isotopic profile for CH-TRU waste within the contract period.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-053B:Unable to Determine Isotopic Profile for RH-TRU Waste	Unable to determine isotopic profile for RH-TRU waste within the contract period.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-055:RH-TRU Packaging to <100 R/Hr	Selected RH-TRU waste cannot be packaged to meet the WIPP waste acceptance criteria of less than 100 R/Hr.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-058:Receipt of 618-10/618-11 RH-TRU from WCH	RH-TRU waste retrieved by WCH from 618-10 and 618-11 burial grounds is shipped to CHPRC in a form that is either non-certified or non-certifiable.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-059:Uncertified or Uncertifiable CH-TRU from Generators	Uncertified or un-certifiable TRU waste is received from generators.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-061:Spent Fuel in Alpha Caissons	Some alpha caisson waste is determined to be spent nuclear fuel rather than TRU waste.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-064:TRU Waste Shipments to WIPP	TRU shipments to WIPP do not occur as scheduled.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-067B:Alpha Caissons Regulatory Approvals - unassigned risk	Alpha caisson retrieval and processing is impacted by delayed or revised regulatory documentation and approvals.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-076:Classified TRU Waste Disposition	WIPP or alternate disposition path not available for classified TRU waste.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-080:More Restrictive DSA Requirements Imposed at WRAP	RL imposes more restrictive DSA requirements on WRAP.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-083:TRU Retrieval Impacted by Non-CHPRC Issues	TRU retrieval is impacted by issues not controlled by Waste and Fuels Management Project or CHPRC.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-089:IDF Authorization Documents Delayed	Required authorization documents are not approved within the timeframes required to support IDF startup.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-090:IDF Startup Impacted by Modeling Prohibition	Modeling to support IDF disposal analyses cannot be performed due to delayed issuance of Final EIS ROD.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-091:OPP: Only One WIR Required for IDF	Only one Waste Incidental to Processing determination is required for the low activity waste.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-096:WIPP Does Not Accept Overpacked Containers in SWBs	Compliant retrieved TRU waste 55 gallon drums over-packed into SWBs are rejected by CBFO as non-compliant waste packages.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSD-128:DOE Rescinds Previously Authorized Safety Analysis	DOE Rescinds previously agreed upon approvals and waivers associated with open face trench processing for TRU Retrieval. Consequences would be time delays to revise safety basis documents and potentially, an additional training and readiness requirements.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management project process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSD-130: Retrieval of Pockets of TRU Waste Results in Significant Volumes of Low-Level Waste	The pockets of TRU waste that was not segregated from MLLW when it was placed in the burial grounds will require removal of the intermingled MLLW in order to demonstrate that the targeted TRU Waste Containers has been retrieved. The baseline assumes retrieval of 69 containers from 8 trenches. This retrieval will result in an additional 6800 containers that would need to be handled. A query of the SWITS database indicates that there are about 6800 containers (~1400 m3) of MLLW that would need to be retrieved. The risk is these 6800 additional containers will need to be processed as newly-generated waste and treated to meet LDR standards prior to re-disposal. This processing is not in the baseline.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
RCRA-033: RCRA Permit Alters Transfer and Treatment Processes for RSW	The implementation of the Final Status RCRA Permit and associated conditions may change the planned transfers, production throughput and production capabilities assumed within the contract for Retrievably Stored Waste (i.e. RSW and other waste in storage for extended periods accepted under previous waste acceptance programs). This may impact the ability to transfer waste to and within SWOC facilities and impact production rates associated with planned production or capabilities within the various facilities.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
RCRA-034: Verification of AK For Retrievably Stored Waste	The waste in storage and retrievably stored waste (RSW) will require verification under the RCRA Permit. The Acceptable Knowledge (AK) development process is considered insufficient by Ecology under the permit conditions. All RSW will require verification of absence of free liquids and debris determination. This change may require the waste to undergo nondestructive examination or physical verification/characterization.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
RCRA-035: Storage of Containers and Incompatible Waste Codes	The implementation of the final status RCRA permit requires additional requirements for the segregation of incompatible waste (separate containment due to waste incompatibilities). The Permit condition requires separation and segregation, additional waste inspections, and physical covers be provided for waste in the expansion area of CWC. These conditions may require additional storage buildings and additional expense for Spill Pallets.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RCRA-036: Risk Budget Tool Implementation	The Final Status RCRA Permit contains permit condition that impose the Risk Budget Tool upon 3 facilities: the Low-Level Burial Grounds (LLBG) Trenches 31/34, LLBG Trench 94, and the Integrated Disposal Facility (IDF). This expands the current RCRA permit requirements of only applying the Risk Budget Tool to IDF. The Risk Budget Tool, is a concept that does not exist in regulation, and was coined when IDF was incorporated into the current permit to be a companion to the DOE Order 435.1 Performance Assessment process that would predict whether waste disposed in a landfill would be modeled to impact groundwater.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

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	8.0	7.2	5.5	(0.8)	-9.9%	1.8	24.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.8M/-9.9%)

The current period unfavorable schedule variance is due to a delay in the return of the repackaged FY 2015 December Large Box shipment from PermaFix Northwest. Unlike most of the shipments, the December Box was returned via three shipping campaigns due to a larger number of SWBs. The last shipment was not received until Fiscal month March when 100% of the performance for the return will be realized.

CM Cost Performance (+\$1.8M/+24.2%)

The current period favorable cost variance is due to the continued 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	916.7	917.8	874.6	1.1	0.1%	43.2	4.7%	1,354.0	1,263.8	90.2

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$1.1M/+0.1%)

The schedule variance is within threshold.

CTD Cost Performance (+\$43.2M/+4.7%)

The cost variance is within threshold.

Variance at Completion (+\$90.2M/+6.7%)

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	86.3	80.5	5.8

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0013 changed in February from \$86.6M to \$86.3M per revised guidance from DOE-RL. The reduction of \$0.3M is for RL to directly fund Advanced Technologies and Laboratories, Shelby Office Supplies, Bonneville Power Administration for Hazmat driver support, and Penser Workers Compensation Administration. The FY2015 Spending Forecast changed from \$82.1 million to \$80.5 million due to anticipated reduced costs for the construction of the ERDF transfer line and continued efficiencies in min safe accounts.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-15-020R0, *Definitization of CO #258, Turnover IDF Performance Assessment to WRPS*
 BCR-PRC-15-021R0, *Performance Analysis & Risk Management Integration*
 BCR-PRC-15-022R0, *Schedule Health Adjustments – February 2015*
 BCR-PRC-15-024R0, *Undistributed Budget Adjustments – February 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
C-026-071	Tritium Treatment Technology Developments to Ecology & EPA	3/31/15		3/31/15	On schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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

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

February 2015
CHPRC-2015-02, 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 February 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	29.6	142.8	7.2	44.0	-	-	-	-	-	-
HX P&T	27.9	124.1	1.6	9.7	-	-	-	-	-	-
KR-4 P&T	14.0	68.7	0.3	2.1	-	-	-	-	-	-
KW P&T	12.5	69.6	1.5	12.9	-	-	-	-	-	-
KX P&T	33.0	157.9	2.8	13.1	-	-	-	-	-	-
200 West P&T	73.4	398.9	5.7	31.7	217	1,220	5,666	28,268	.11x10 ¹²	.59x10 ¹²
Combined	190.4	962.0	19.1	113.6	217	1,220	5,666	28,268	.11x10¹²	.59x10¹²

Well Drilling by Area	FY2015 Planned	February	FY2015 Cumulative
100-KR-4	5	3	4
100-HR-3	12	-	-
NRDWL/SWL	4	-	-
200-UP-1	5	-	1
200-ZP-1	7	-	1
M-24	19	-	5
300-FF-5	33	-	2
DVZ URG TT	6	-	-
Total Wells	91	3	13

EMS Objectives and Target Status

Objective	Target	Actions	Due Date	Status	Overall Target Status
15-EMS-SGWR-OB1 Reduce toxic air emissions at the 200 West P&T Facility	T1 – Implement one measure to reduce toxic air emissions (namely carbon tetrachloride) at the 200 West P&T Facility	Apply heat tracing and insulation to reduce condensation in the GAC containers during the colder months.	12/31/14	100%	70%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	40%	
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	20%	20%
		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	20%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/SGRP 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%	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	25%	30%
		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	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	28	2/5/2015 – An employee noticed a sliver in their index finger while drilling holes in a metal plate. The sliver was embedded deep in the skin. The employee was transported to HPMC for evaluation and removal of the sliver and then returned to work without restriction. (23581) S&GRP
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

Environmental Integration

- Conducted IDMS/WIDS/QMap training for new Ecology HLAN users to view all 200-IS-1 references in the WIDS Library. This new capability will save the contractor and DOE-RL time and money by avoiding clearance during the data verification stage of developing the conceptual site model for the RI/FS/RFI/CMS work plan.
- Provided CERCLA and RCRA TSD training to DOE-RL and CHPRC staff.

River Corridor

100-KR-4 Operable Unit

- Modified 100-KW system extraction well 199-K-205 (WE11), located at the 183-KW Head House vicinity, to operate at an extraction rate of up to 100 gpm.
- Completed drilling and initiated construction of well 199-K-209, which is the final well planned for 100-KR-4 OU this year.
- Responded to DOE-RL lines of inquiry for the requirements review of the interim RD/RAWP.

100-NR-2 Operable Unit

- Completed the bioventing respirometry testing program and have begun reducing the field data and laboratory results for the annual report. Initial indications are that the system is performing as planned.

300-FF-5 Operable Unit

- Submitted the 300 Area Remedy Implementation SAP for CHPRC and DOE-RL project manager review on February 25, 2015.

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

- Submitted 25 waste site scoping summaries to DOE-RL for review during February.

200-BP-5 Operable Unit

- Initiated 90% design of the 200-BP-5 pipeline to the 200 West P&T and the procurement process for dual-wall HDPE pipe following capital funding authorization.
- Delivered the Draft A Revision 2 200-BP-5 Treatability Test Plan to DOE-RL on February 17, 2015, for regulatory review.

200-UP-1 Operable Unit

- Received the AVANTech IX uranium treatment train and completed floor preparations for mounting the train.
- Welding of the dual-wall HDPE pipeline for the uranium injection system is 95% complete.
- The Rev 1 Sampling and Analysis Plan for Remediation Wells in the 200-UP-1 Operable Unit was approved by EPA on February 24, 2015, without comment.
- Initiated 90% design of the I-129 hydraulic containment system.

200 West P&T

- Achieved an average pumping rate of approximately 1,814 gpm for February.
- Maintained effluent concentrations below cleanup levels specified in ROD.

100 Area P&Ts

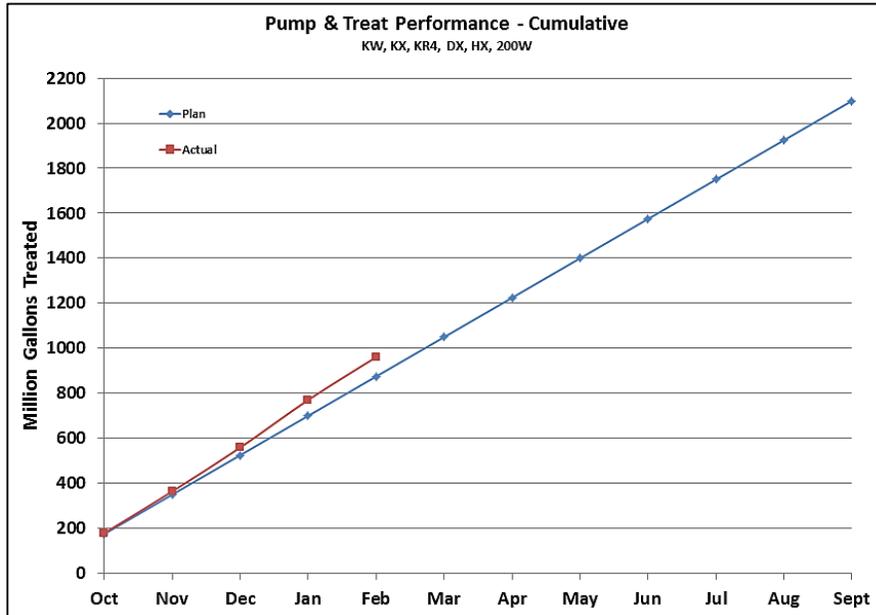
- Continued to operate KW P&T near 300 gpm, which exceeds the original design capacity of 200 gpm.
- Continued to operate KX P&T above 700 gpm, which exceeds the original facility design capacity of 600 gpm. The third 30 day operation period above 700 gpm was completed February 5, 2015.
- Continued to operate the KR-4 P&T above 340 gpm, which exceeds original design capacity of 300 gpm. The second 30 day operation period above 330 gpm was completed February 5, 2015.
- Continued to operate the DX P&T above 700 gpm, which exceeds the original design capacity of 600 gpm. The first 30 day operation period above 700 gpm was completed February 7, 2015.
- Continued extraction at well 199-K-205, a high chromium contaminated well. A higher capacity pump was installed on February 25, 2015, increasing flows from ~65gpm to ~100 gpm. Chromium concentrations at this well have dropped from over 1,000 µg/L to ~100 µg/L.

200-DV-1 Operable Unit

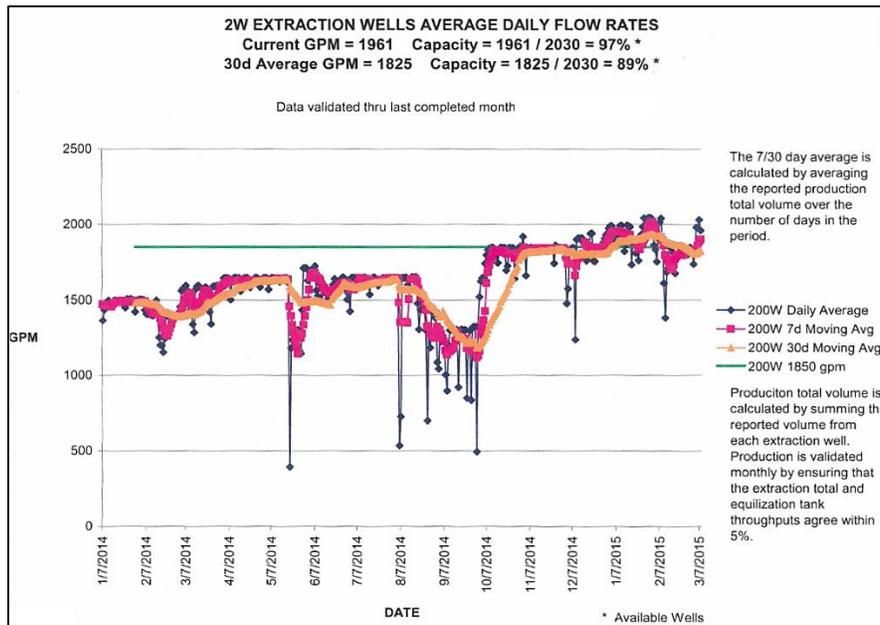
- The B Area perched water extraction system removed 6,259 gallons in February to bring the total volume of perched water removed to 262,934 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of February:

Contaminant	February	Cumulative (since startup)
Tc-99	0.41 E-04 Ci	31.72 E-03 Ci
Uranium	0.9 kg	54.84 kg
Nitrates	8.7 kg	513.57 kg

FY2015 P&T Operations



200 West P&T



MAJOR ISSUES

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

Corrective Action – Develop and implement an approach for preparing the CRRs and associated Memorandum of Agreements (MOAs) to perform field work within a TCP.

Status – The CRR for the M-24 wells was transmitted for 30-day review on February 4, 2015; followed by submittal of a draft Memorandum of Agreement (MOA) to DOE-RL for review on February 25, 2015. MOA workshops with the Tribes for the M-24 wells will be scheduled for March. The CRR for the D&D of the inactive P&T facility was initiated in February.

Issue – EPA’s signature on the Rev 0 300 Area RDR/RAWP has been delayed for several months. EPA approval of this document is required no later than March 16, 2015, to support the upcoming drilling campaign.

Corrective Action – DOE-RL is continuing coordinating with EPA. A notice of change was submitted to DOE-RL on February 11, 2015 indicating that the FY2015 field work may be impacted. (CHPRC-1500624)

Status – Signatures have not yet been secured. Continue to work with DOE-RL to identify a path forward.

Issue – Experiencing regulatory agency delays in the approval of decision documents, such as 1) Ecology’s legal review of the 100-D/H Proposed Plan (DOE/RL-2011-111), 2) extended comment resolution on the 100-N RI/FS report (DOE/RL-2012-15, Draft A), 3) EPA’s approval of the 300 Area RDR/RAWP (DOE/RL-2014-13), and 4) Ecology’s approval of the 200-IS-1 TPA change packages (C-013-01 and C-014-02), which affect the 200-IS-1 Work Plan (DOE/RL-2010-114) scope definition.

Corrective Action – Maintain visibility on the delays to senior management. DOE-RL/CHPRC to continue working with the regulatory agencies to facilitate completion of these documents.

Status – Delays in completion of the decision documents are reported weekly to DOE-RL management and monthly to DOE-RL, EPA, and Ecology senior management. DOE-RL/CHPRC continued to work with the regulatory agencies at the project level in making progress.

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-030/WBS 030				
SGW-008: Regulatory Documents Result in Significant Comments from Regulators	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>Progress on the 100-D/H PP has been delayed. Comments from EPA's Remedy Review Board (RRB), which began on January 26, 2015, have not been received. Ecology is also performing an additional technical review of the PP. Ecology's legal review has not begun. Following Ecology's legal review, the PP will be reviewed by EPA's legal. These sequential reviews will impact the schedule by eight months to a year. CHPRC is working with both agencies to help facilitate their reviews.</p> <p>No project team meetings with Ecology occurred in February due to unavailability of resources. Comment resolution with Ecology on the Draft A 100-N RI/FS Report has progressed through the RI and is now working through the FS (Chapter 8). The first of four technical position papers that were submitted to Ecology in March 2014 to resolve significant comments on the FS is now being reviewed (Hot Spots). A request has been made to develop a schedule with Ecology to complete comment resolution.</p>
SGW-004: Cultural Resource Reviews	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>CHPRC continues to work with MSA to accelerate cultural reviews for existing work. The bi-weekly meetings that began in September are resulting in better coordination between the two companies and better business understanding with DOE-RL. Early identification of FY2015 work scope and prioritization of such has also allowed the cultural review process to begin early in the FY, however the process is still very long.</p> <p>The CRR process for adding 6 new monitoring wells and for D&D of the inactive pump-and-treat system is progressing through DOE-RL approvals. Meeting was held with the Tribes in February and a workshop is planned for March to define the mitigation actions for the MOAs. CHPRC has been presenting at monthly cultural meetings since November 2014.</p>
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction SGW-007B: Analytical Reduction	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). 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>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 was developed for completing DOE-RL Panel Review on all the SAPs, including both FY2015 and FY2016. This approach and schedule for the SAP optimization was provided to DOE-RL in February.</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 down-time.			Several new injection wells were hooked up at the end of September 2014 and have now increased pumping rates to 1,900 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 above 2,000 gpm. Evaluating need for additional carbon to support increased pumping rates above 2,100 gpm.
SGW-UP1-04: 200-UP1 Expansion Engineering During Construction Scope	Identify required design changes early in the testing process to minimize schedule impact. Work closely with the client and regulators to minimize impact to schedule. Incorporate design changes quickly to minimize cost impacts and avoid rework. Supplement Eng./QA/QC support and contracts for special inspection so as to finalize engineering requirements. Have developed a stream-lined approach for handling contractor submittals and RFIs, third-party inspections contract is awarded in addition to award for services during construction.			Design is complete and engineering requirements are known for uranium treatment additions to the 200 West P&T. This risk will be revised in the month of March to reduce the probability and consequences. After the changes are made to the risk register this risk will no longer be reported on, but will continue to be monitored internally.
SGW-UP1-05: 200-UP1 Uranium Expansion Remedy Well Design	Ensure sufficient budget provided to cover expected drilling cost increase for large diameter completions. Adjust schedules to account for additional drilling time.			Change order 251 addressed required budget for extraction wells. Construction of the wells is consistent with planned design. Drilling of the wells is behind schedule from additional subcontractor's well completion problems The FES and EAC have been updated to reflect these delays. Construction is planned to be complete by late July 2015.
SGW-UP1-10: 200-UP1 Uranium Expansion Remedy Startup	Operations and engineering input has been obtained on the operating system controls to standardize the controls to those used for other pump and treat systems to the extent possible. Corporate design team and technologists experienced in bioremediation have been deployed to support the design effort and system startup. Resident engineer from corporate will also be supplied to support startup and testing of the new process equipment. Initiate preparation of CAT/ATP/OTP early. Early integration with contractors for incremental testing (e.g. isolate transfer buildings for a more efficient CAT/ATP). Notify vendors of necessary reconfigurations as early as possible so as to minimize schedule and cost impact.			Uranium treatment system design is complete and construction is underway, and is scheduled to be completed by late July, 2015. CAT/ATPs' have been prepared. A uranium resin evaluation has been completed by the corporate Groundwater expert, which confirmed proper selection of resin type. Preparation of the OTP will commence early March, 2015.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-UP1-12: 200-UP1 Uranium Expansion Contractor/Subcontractor Performance	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. Utilize suspended subcontractors to minimize potential for procedural issues. 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. Lack of preparation for this transition from sequestration to restart of construction could result in significant schedule / cost impacts. Mitigation strategy is to provide extensive oversight on subcontractors work scope.			The construction of the uranium treatment system will not be performed under a firm-fixed contract. CHPRC will manage the construction activity using subcontract labor support. Construction activities are closely supported by 200 West P&T engineering. A FES has been prepared defining construction details, and is expected to complete late July 2015. Once construction is complete this risk will be closed.
RL-030/WBS-030 Unassigned Risks				
SGW-002:RL or Regulator Personnel Changes	Regulatory interpretations, agreements, and strategies are developed and worked through assigned RL, EPA, and Ecology staff. A change to the personnel assignments in any of the three agencies could require the interpretations, agreements, or strategies to be revisited or modified with corresponding delays to planned soil and groundwater remediation actions.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-009:Regulatory Document Priorities Change	The schedule for preparation and DOE/regulator review of regulatory documents may be impacted if other priorities result in review cycle delays.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-012:Delays to regulators review/approval	Regulators may not approve regulatory documents within the required timeframes.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-042:Regulatory Requirements Require P&T System Modifications	Regulatory requirement changes result in the need to modify existing pump and treat systems.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-044B:P&T Resin – Regeneration	The risk is that DOE/NRC waiver allowing shipment of radioactive resins and GAC for offsite regeneration is revoked.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-045:Regulator Comments Change Requirements	Documents are provided to the regulators for review as part of the remedial action decision process. The regulators could provide comments on the documents that effectively change the requirements from what was envisioned, causing an increase in scope or costs.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

SGW-084:Delayed Receipt of RL Approval for Procurements - ZP-1	DOE approval is required for procurements in excess of \$5 million. There is a risk that DOE will not approve procurements required for the 200 West Pump and Treat System within the time-frame required to meet the construction schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
SGW-099:ERDF Impacts on 200 West P&T Waste Disposition	ERDF cannot accept waste products from 200 West P&T facility due to CERCLA ROD limitations or performance assessment constraints.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

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	10.1	9.1	8.7	(1.0)	-10.2%	0.3	3.8%

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$1.0M/-10.2%)

The negative schedule variance resulted from the following:

- In February S&GRP experienced a negative current month schedule variance due to the current month's work being completed ahead of schedule in previous months. This includes the completion of the drilling of four 200-ZP-1 wells and five draft 200 East closure plans as part of FY2014 buyback scope, submittal of the 200-SW-2 RI/FS WP three months ahead of the PMB schedule, and a slowdown in number samples taken and analyzed now that the high water sampling has been completed.
- Lack of cultural resource review approval for the drilling of six 100-NR-2 monitoring wells has stalled the initiation of procurement activities to start the field work.
- The seven 200-UP-1 monitoring wells planned in the PMB for FY2015 have been deferred to out years in support of work prioritization and availability of funds (other 200-UP-1 well drilling associated with contract changes is being performed in FY2015). A final deep vadose zone SAP and test plan for the uranium sequestration pilot test has not been approved; therefore, procurement planning has not yet been initiated. A well in the 200-ZP-1 Operable Unit is being re-drilled.

CM Cost Performance (+\$0.3M/+3.8%) Variance is within reporting thresholds.

Contract-to-Date (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	1,062.5	1,060.4	1,044.9	(2.2)	-0.2%	15.5	1.5%	1,529.8	1,489.0	40.9

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$2.2M/-0.2%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$15.5M/+1.5%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	137.7	135.5	2.2

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0030 changed in February from \$137.8 million to \$137.7 million per revised guidance from DOE-RL. The reduction of \$0.1M is for RL to directly fund Shelby Office Supplies and to supplement existing Inter-Entity Work Order with Lawrence Berkeley National Labs. The Spending Forecast of \$137.7 million has been reduced to \$135.5 based on preliminary buyback discussions.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-013R0 - *Definitization of REA 030 1465, 300 Area RI/FS and PP*

BCR-PRC-15-017R0 - *Definitize CO#257, 200-UP-1 Iodine Containment*

BCR-PRC-15-021R0 - *Performance Analysis & Risk Management Integration*

BCR-PRC-15-022R0 - *Schedule Health*

BCR-PRC-15-024R0 - *Undistributed Budget Adjustments – February 2015*

FY2015 Management Reserve (Funded): \$1.75 million

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

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-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		2/20/16	Dispute resolution was extended to March 30, 2015. Awaiting Ecology review of two change packages associated with scope
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		3/31/15	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		6/28/16	To be missed. Draft TPA Change Package provided to DOE-RL to adjust milestone. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		5/13/20	To be missed. Draft TPA Change Package provided to DOE-RL to adjust milestone. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-92A is to be missed.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-66-T01	Conclude Discussions of Well Commitments	TPA	8/1/15		8/1/15	On schedule
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15		9/15/15	On schedule
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. The 200-DV-1 work plan (M-015-110A) has not been submitted to the regulators. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-110B is to be missed.
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		9/30/15	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
M-091-40L-048	Submit July to Sept. 4th Quarter FY2015 Burial Ground Sample Results.	TPA	12/15/15		12/15/15	On schedule
M-015-91B	Submit FS Report and PP for 200-WA-1 to EPA	TPA	12/31/15		3/27/18	To be missed. The scope was not funded in FY2014 or FY2015, nor has the RI/FS work plan been approved. The milestone date will be revised based on the issuance of the Rev 0 work plan. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-91B is to be missed.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-110-T05	Implement System to Meet Drinking Water Stds. for U at 300-FF-5 OU	TPA	12/31/15		5/20/15	Ahead of schedule
M-024-66	DOE shall complete the construction of all wells listed for CY2015	TPA	12/31/15		8/1/15	Ahead of schedule
M-015-78	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/16		2/28/16	On schedule
M-091-40L-049	Submit Oct. to Dec. 1st Quarter FY2016 Burial Ground Sample Results.	TPA	3/15/16		3/15/16	On schedule
M-016-191	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plan area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	3/30/16		3/30/16	On schedule

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)

February 2015
CHPRC-2015-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping and conducted radiological facility surveillances and preventive maintenance (PM) activities. In addition, completed work on Bio Barrier and applied gravel (6”) to WIDS sites in 200 West areas.

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	1	6	<ul style="list-style-type: none"> Employee smashed finger between a tractor door and stationary ladder. Body part affected: Finger (23580)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
- Completed:
 - o 73 radiological facility surveillances
 - o 41 preventive maintenance (PM) activities
 - o Post jobs for REDOX, U-Plant, and 105-KE
 - o Support for Beryllium characterization sampling at conex boxes near MO-386
 - o Work on Bio Barrier and application of gravel (6”) to WIDS sites in 200 West areas

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-040/WBS 040				
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.			An analysis of deferred maintenance has identified potential increased frequency for some preventive maintenance activities. Costs associated with these additional maintenance activities have been included in the Integrated Priority/Buy Back list.
RL-0040/WBS 040 Unassigned Risks				
D4-022: Conflicts Between Regulatory Agencies	EPA and Ecology do not agree on plans for accomplishing facility D4, or disposition pathways for waste, which causes schedule and probable cost impacts.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
D4-039A: Pre-FY 2013 ERDF Impacts to D4 Activities	ERDF cannot accept D4 wastes or provide required support as the wastes are generated. This risk applies to D4 activities occurring before CHPRC assumes control of ERDF.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
D4-041: D4 Weather Delays	Adverse weather in excess of planning allowance impacts D4 activities.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
D4-P-049:PUREX Tunnels Disposition	PUREX Tunnels materials must be removed and treated prior to tunnel closure.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
D4-U-023:EPA Disallows Adding Additional Items to U-Plant ROD	EPA will not allow adding additional items (such as ancillary facility sand filters or WR vault) to the U-Plant Record of Decision (ROD)			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-001:Canyon Facility Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining canyon facilities requires removal/treatment/disposal rather than cap in place.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-002:Semi-Works Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining the Hot Semi-Works requires removal/treatment/disposal rather than cap in place and requires RCRA closure of the CX tanks.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-003: 200 North Waste Site Remediation	The cleanup standards required for the 200 North waste sites are more stringent than planned in the baseline.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-004: MG-1/MG-2 Cleanup Requirements	The risk is that cleanup requirements for 200-MG-1 and 200-MG-2 are more stringent than proposed in the EE/CA's.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-005: NRDWL/Landfill Remediation	The risk is that regulators will require a remove/treat/dispose (RTD) remedy for selected portions of the Nonradioactive Dangerous Waste Landfill (NRDWL) or the Central Landfill.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-006: Decision Document Approval Delays	The risk is that the authorizing documents for waste site remediation will not be issued in time to support the baseline schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-007: More Extensive Contamination Than Expected	During waste site remediation, contamination depth or breadth is greater than planned.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-008: No Action Waste Sites	Confirmatory samples determine no action waste sites require RTD remediation.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-009: Different Remediation Approach	There is a risk that the regulators will require a different cleanup remedy than planned.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-010: Different Remediation Approach	There is a possibility that the regulators will agree to a less restrictive cleanup remedy than planned in the baseline.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-011: Regulators Disagree on Remediation Approach	EPA and Ecology disagree on remediation approach for similar waste sites within a closure zone where the waste sites are assigned to different operable units and have different lead regulatory agencies.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-012:Waste Site Remediation Required Earlier Than Planned	Regulators require closure actions on waste sites before funds available to address adjacent facilities/sites.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-014:Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-015:Borrow Material Shortage	Sufficient borrow material to support cleanup remedies is not available on site.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-018:ERDF Priorities Impact Waste Site Remediation	Conflicting ERDF priorities impact the CHPRC waste site remediation schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-019:Regulator Required Barrier Design Changes	Regulators require changes to planned barrier designs.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-020:Operable Unit vs. Zone Closure Decision Documents	Regulators require closure documents by operable unit rather than by closure zone, thus impacting the zone closure strategy and schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-023:New Waste Sites Identified	New waste sites are discovered during waste site remediation or through the orphan site identification process.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-024:Waste Management Area Remediation Schedule	The Office of River Protection accelerates closure actions for selected Waste Management Areas (tank farms), thus necessitating accelerated remediation of adjacent operable unit waste sites.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-025:HLW Discovered During Remediation	Tanks located within or near canyon facilities contain high-level waste that must be dispositioned.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-027:Subcontractor Bonding/Licensing Issues	Subcontractors are unable to obtain required bonding or insurance due to tight credit markets.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
WSR-038:Debris Waste Site Cleanup	Radiological or hazardous constituents are encountered during cleanup of debris waste sites that were expected to contain only uncontaminated materials.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-044:OPP: RTD Sites Only Need Confirmatory Sampling	Confirmatory sampling for no further action is determined to be acceptable for waste sites previously identified as needing removal, treatment, and disposal (RTD) as the remedial action.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
WSR-045:Accelerated Remediation of Sites Not in L-8 Table	Waste sites not included in the PRC RFP L-8 table require remediation under the CHPRC contract.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

PROJECT BASELINE PERFORMANCE Current Month (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.8	0.8	0.8	0.0	2.7%	(0.0)	-3.7%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.0M/+2.7%)

Variance is within reporting threshold.

CM Cost Performance: (-\$0.0M/-3.7%)

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	393.4	393.3	362.5	(0.1)	-0.0%	30.8	7.8%	463.5	432.7	30.9

Numbers are rounded to the nearest \$0.1M

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

Variance is within reporting threshold.

CTD Cost Performance: (+\$30.8M/+7.8%)

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

- ARRA-funded work scope included efficiencies with Program Management (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million) and efficiencies with Arid Lands Ecology (ALE) (\$3.7 million), North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, 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 (\$1.0 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 (\$3.3 million) and under run in overhead allocations (\$1.8 million).

Variance at Completion (+\$30.9M/+6.6%)

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	12.4	0.1

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0040 remains at \$12.5M. Projected funding and FY2015 Spend Forecast is unchanged from the prior month.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-040-017R0 - *Definitization of CO #257, 200-UP-1 Iodine Containment*
- BCR-PRC-15-020R0 - *Definitization of CO #258, Turnover IDF Performance Assessment to WRPS*
- BCR-PRC-15-021R0 - *Performance Analysis & Risk Management Integration*
- BCR-PRC-15-022R0 - *Schedule Health Adjustments – February 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

February 2015
CHPRC-2015-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells continued enclosure construction and ventilation system installation, trained driller and support resources, and completed work crew job hazard assessment. In addition, the project has mobilized and setup change/Plan of the day (POD) trailer and power supplies. Continued monthly radiological surveillances.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
 - o Continued enclosure construction and ventilation system installation
 - o Trained the driller and support resources
 - o Mobilized and setup change/Plan of the day (POD) trailer and associated power supplies
 - o Completed work crew job hazard assessment
 - o Completed dosimetry support
- Completed Surveillances:
 - o Radiological – 29
- Radioactive Material Area (RMA) Consolidation:
 - o Final RMA to be consolidated is 70 percent complete. Work is currently on hold due to resource availability (working higher priority CHPRC scope).

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/WBS 041				
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 fieldwork commenced in November 2014. Well development and sampling is expected to finish by September 2015 with the investigation report to follow in FY2016.
RL-0041/WBS 041 Unassigned Risks				
KBC-004:Contamination Depth Greater Than Planned	Determination that extent of contamination, primarily below KW Basin, is greater than expected, requiring more soil excavation and disposal.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
KBC-034:Undefined or Restrictive End State Criteria	End state is undefined for completion of some aspects of 100K remediation (e.g. sedimentation basins, tunnel)			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
KBC-069:ERDF Return of Waste Canisters	100 K D4 and waste site remediation activities are impacted by delayed emptying and return of waste canisters by ERDF.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
KBC-078:RTD Waste Site Contamination Extent/Waste Volumes	The extent of contamination or volume of waste generated from RTD waste sites is greater than expected.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.
KBC-083:Waste Profile Support from WCH	WCH does not complete waste profiles within the timeframe required to support 100 K waste site remediation schedule.			To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.5	0.2	0.5	(0.3)	-54.5%	(0.3)	-117.5%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.3M/-54.5%)

The variance is within reporting threshold.

CM Cost Performance (-\$0.3M/-117.5%)

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	312.6	311.9	284.0	(0.8)	-0.2%	27.8	8.9%	394.7	365.3	29.5

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.8M/-0.2%)

The schedule variance is within threshold.

CTD Cost Performance (+\$27.8M/+8.9%)

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 Distributable. This is partially offset by the cost overruns in prior years for the Utilities Project.

Variance at Completion (+\$29.5M/+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	8.0	(1.2)

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

FY2015 expected funding for PBS RL-0041 remains at \$6.8M. The change in FY2015 Spending Forecast from \$8.1 million to \$8.0 million is within threshold. The project continues to show a funding challenge due to an updated estimate for the 100KE Boreholes, which requires coordination with RL to resolve.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-006R0 - *PBS-041 Schedule Health Adjustments – February 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

February 2015
CHPRC-2015-02, 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 20 Preventive Maintenance (PM) activities/operational surveillances
 - o Four radiological surveillances
 - o Four operational surveillances
 - o 482A/B Monthly/Annual Water Tank Temp/Level Alarm Test
 - o Installed rail covers at Fuel Storage Facility (FSF)
 - o Troubleshooting and repair of alarm relay 6TR
 - o Cleared fire system restriction at FFTF

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-042/WBS 042				
Currently no "Key Project Risks" for RL-042.				
RL-042/WBS 042 Unassigned Risks				
Currently no unassigned risks for RL-042.				

PROJECT BASELINE PERFORMANCE

Current Month (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.1	0.1	(0.0)	-4.0%	0.0	27.8%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.0M/-4.0%)

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.0M/+27.8%)

The current period cost variance is within threshold.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	18.9	18.9	15.5	(0.0)	-0.2%	3.4	18.0%	26.6	20.0	6.5

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.4M/+18.0%)

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

Variance at Completion (+\$6.5M/+24.6%)

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	1.2	0.2

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

Project funding is unchanged from the prior month. The change in FY2015 Spending Forecast from \$1.3 million to \$1.2 million is within threshold.

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-15-022R0 - *Schedule Health Adjustments – February 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

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



February 2015
CHPRC-2015-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD						
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 01 / 26						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2015 / 02 / 22						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY		b. NEGOTIATED COST 5,468,214	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 15,359		d. TARGET PROFIT/ FEE 228,503	e. TARGET PRICE 5,696,717	f. ESTIMATED PRICE 5,543,883		g. CONTRACT CEILING 5,696,717	h. ESTIMATED CONTRACT CEILING 5,543,883		i. DATE OF OTB/OTS				
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
		MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) K. K. Dickerson			b. TITLE Prime Contract Manager						
a. BEST CASE		5,236,940					c. SIGNATURE			d. DATE SIGNED 2/22/2015						
b. WORST CASE		5,481,330														
c. MOST LIKELY		5,315,380	5,483,573		168,194											
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	8,335	6,742	7,851	(1,593)	(1,109)	773,427	741,842	779,763		(37,921)	0	0	0	938,694	950,062	(11,368)
012 RL-12 SNF Stabilization and Disposition	5,781	5,941	5,256	160	684	465,853	469,543	479,609		(10,066)	0	0	0	695,450	716,046	(20,596)
013 RL-13 Solid Waste Stabilization & Disposition	8,043	7,250	5,495	(794)	1,754	916,681	917,800	874,558		43,242	0	0	0	1,354,040	1,263,811	90,229
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	10,086	9,060	8,711	(1,027)	349	1,062,533	1,060,375	1,044,904		15,471	0	0	0	1,523,370	1,482,507	40,863
040 RL-40 Nuclear Facility D&D Remainder of Hanford	781	803	832	21	(30)	393,415	393,293	362,539		30,754	0	0	0	463,544	432,731	30,814
041 RL-41 Nuclear Facility D&D - River Corridor	530	241	524	(289)	(283)	312,628	311,877	284,027		27,850	0	0	0	394,735	365,276	29,459
042 RL-42 FFTF Closure	154	148	107	(6)	41	18,930	18,887	15,495		3,392	0	0	0	26,577	20,028	6,549
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														6,480	6,480	0
e. Sub Total	33,711	30,184	28,777	(3,527)	1,407	3,943,466	3,913,617	3,840,895	(29,849)	72,722	0	0	0	5,402,890	5,236,940	165,950
f. Management Reserve														78,440		
g. Total	33,711	30,184	28,777	(3,527)	1,407	3,943,466	3,913,617	3,840,895	(29,849)	72,722	0	0	0	5,481,330		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance													5,481,330	5,236,940	244,390	

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)								
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 NO YES X 9/18/2009				2015 / 01 / 26								
										2015 / 02 / 22								
5. PERFORMANCE DATA																		
FOC ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	BUDGETED COST		ACTUAL COST	VARIANCE			BUDGETED COST		ACTUAL COST	VARIANCE			COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)								
34 - Envr Program & Strategic Planning																		
340 - Environmental Prog & Regl Mgt																		
	582	518	483	(63)	35	51,323	51,601	47,740		3,861	0	0	0	83,134	72,745	10,389		
	582	518	483	(63)	35	51,323	51,601	47,740	0	3,861	0	0	0	83,134	72,745	10,389		
35 - Business Services																		
35D - Contract Mgmt & Facility Svcs																		
	0	0	0	0	0	23,047	23,047	23,520		(473)	0	0	0	23,047	23,520	(473)		
35K - PRC Finance																		
	0	0	0	0	0	449,477	449,477	425,102		24,375	0	0	0	449,477	425,102	24,375		
	0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902		
36 - Prime Contract & Project Integration																		
365 - Perf Assess & Risk Mgmt																		
	28	28	0	0	28	28	28	0		28	0	0	0	8,602	8,723	(121)		
	28	28	0	0	28	28	28	0	0	28	0	0	0	8,602	8,723	(121)		
3B - PFP Closure																		
3B0 - PFP Close/BOSS D&D & Infastruc																		
	1,556	967	2,347	(589)	(1,380)	146,095	134,923	157,816	(11,171)	(22,893)	0	0	0	201,579	218,605	(17,026)		
3B3 - Project Management/Subcontracts																		
	2,174	1,886	1,880	(287)	7	158,154	148,576	160,610	(9,578)	(12,034)	0	0	0	192,656	197,170	(4,514)		
3B4 - Engrg Nuc Saf Plng&Wrk Control																		
	1,336	1,336	949	0	387	54,593	54,593	45,062	0	9,531	0	0	0	74,095	59,942	14,153		
3B7 - Environmental & Waste																		
	633	629	564	(4)	65	57,054	56,264	45,699	(790)	10,564	0	0	0	73,244	65,299	7,945		
3BA - Project Mgmt D&D																		
	961	963	888	1	75	154,033	154,033	156,614	(0)	(2,581)	0	0	0	168,033	171,570	(3,537)		
3BB - PFP D4 Deputy Project Mgmt																		
	1,674	961	1,224	(714)	(263)	117,348	107,303	135,016	(10,045)	(27,713)	0	0	0	141,827	157,391	(15,565)		
3BD - PFP Cold & Dark																		
	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	(0)		
	8,334	6,741	7,851	(1,593)	(1,110)	687,277	655,693	700,818	(31,585)	(45,125)	0	0	0	851,435	869,979	(18,544)		
3C - Decom Waste Fuels & Remed Svcs																		
36X - Support to 3C - W&FMP/D&D Project																		
	186	192	421	7	(229)	2,597	2,882	2,434	285	448	0	0	0	3,398	3,133	266		
38X - Support to 3C - W&FMP/D&D Project																		
	1,871	1,801	1,646	(70)	155	46,212	49,168	69,540	2,956	(20,372)	0	0	0	91,059	121,769	(30,710)		
3AD - Sludge Treatment Project																		
	3,908	4,138	3,610	230	528	365,377	366,111	356,411	735	9,700	0	0	0	547,759	538,227	9,532		
3BX - Support to 3C - W&FMP/D&D Project																		
	522	232	512	(289)	(279)	248,962	248,210	226,157	(752)	22,053	0	0	0	323,642	299,967	23,676		
3C4 - Waste & Fuels Project Controls																		
	2,030	2,051	1,585	21	466	208,205	207,995	208,503	(210)	(507)	0	0	0	322,440	298,691	23,749		
3C5 - TRU Project																		
	0	0	0	0	0	49,140	49,140	52,386	0	(3,247)	0	0	0	49,140	52,386	(3,247)		
3C9 - Liquid & Fuels Storage																		
	2,847	2,846	2,340	(0)	507	201,000	201,279	186,943	279	14,336	0	0	0	397,684	385,630	12,055		
3CA - W&FMP Engineering																		
	0	0	0	0	0	0	0	1	0	(1)	0	0	0	0	1	(1)		
3CD - Waste Disposition																		
	3,901	3,095	2,101	(806)	994	747,151	747,753	701,556	602	46,197	0	0	0	955,349	880,680	74,669		
	15,264	14,356	12,215	(908)	2,141	1,868,645	1,872,539	1,803,933	3,894	68,606	0	0	0	2,690,471	2,580,484	109,987		
3D - Soil & Groundwater Remediation																		
3D0 - Soil & Groundwater Remediation																		
	1,667	1,152	1,031	(515)	121	109,636	109,875	106,626	240	3,250	0	0	0	186,167	169,231	16,936		
3D2 - GW Remediation Support																		
	2,287	1,664	1,684	(623)	(20)	160,576	158,673	148,204	(1,903)	10,469	0	0	0	257,329	241,810	15,519		
3D4 - GW Operations																		
	2,542	2,450	2,372	(92)	79	171,378	172,370	160,029	993	12,341	0	0	0	299,269	290,248	9,021		
3D8 - GW Analysis and Reporting																		
	3,007	3,274	3,141	266	133	422,079	420,313	424,922	(1,766)	(4,609)	0	0	0	547,480	548,617	(1,137)		
	9,503	8,540	8,228	(963)	312	863,669	861,232	839,782	(2,437)	21,451	0	0	0	1,290,245	1,249,906	40,338		
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																		
														6,480	6,480	0		
e. Sub Total																		
	33,711	30,184	28,777	(3,527)	1,407	3,943,466	3,913,617	3,840,895	(30,127)	72,722	0	0	0	5,402,890	5,236,940	165,950		
f. Management Resrv.																		
														78,440				
g. Total																		
	33,711	30,184	28,777	(3,527)	1,407	3,943,466	3,913,617	3,840,895	(29,849)	72,722	0	0	0	5,481,330				

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS			Form Approved OMB No. 0704-0188				
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:			3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009			4. REPORT PERIOD a. FROM: 2015/1/26 b. TO: 2015/2/22											
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,155,848		c. CURRENT NEGOTIATED COST (A + B) \$5,468,214		d. ESTIMATED COST AUTH UNPRICED WORK \$15,359		e. CONTRACT BUDGET BASE (C + D) \$5,483,573		f. TOTAL ALLOCATED BUDGET \$5,481,330			g. DIFFERENCE (E - F) \$2,244						
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018											
6. PERFORMANCE DATA																				
ITEM (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)		
							SIX MONTH FORECAST						FY09-13	FY14	FY15	FY16			FY17	FY18
							+1 Mar-15 (4)	+2 Apr-15 (5)	+3 May-15 (6)	+4 Jun-15 (7)	+5 Jul-15 (8)	+6 Aug-15 (9)	(10)	(11)	(12)	(13)	(14)	(15)		
a. PM BASELINE (BEGIN OF PERIOD)			3,909,755		33,995		34,424	44,738	36,881	35,011	46,870	37,742	3,391,477	391,653	446,834	438,081	372,169	359,045	5,509	5,404,768
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																				
BCR-012-15-003R - Delay of T Plant Modifications															(2,702)	(1,292)	4,411	0		416
BCR-030-15-013R - Definitization of REA 030 1465 – 300 Area RI/FS and Proposed Plan															26	0	0	0		26
BCR-PRC-15-017R - Definitization of CO #257, 200-UP-1 Iodine Containment															1,249	(39)	(217)	(3,992)		(2,999)
BCR-PRC-15-020R - Definitization of CO #258, Turnover IDF Performance Assessment to WRPS															(10)	0	0	(281)		(291)
BCR-PRC-15-021R - Performance Analysis & Risk Management															0	0	0	0		0
BCR-PRC-15-022R - Schedule Health Revisions – February 2015															0	0	0	0		0
BCR-041-15-006R - PBS RL-041 Schedule Health Revisions – February 2015															0	0	0	0		0
BCR-PRC-15-024R - Undistributed Budget Adjustments February 2015																			970	970
c. PM BASELINE (END OF PERIOD)			3,943,466		33,711		34,129	43,870	36,478	34,958	47,118	37,882	3,391,477	391,653	445,396	436,749	376,363	354,772	6,480	5,402,890
7. MANAGEMENT RESERVE																				78,440
8. TOTAL																				5,481,330

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) 2015 / 01 / 26			
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			2015 / 02 / 22			
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						FY15-18	(13)			
			+1 Feb	+2 Mar	+3 Apr	+4 May	+5 Jun	+6 Jul					
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(15)	
300 - Office of the President													
35X - Support to President	6	456	5	5	5	5	5	5	5	5	189		682
303 - Internal Audit	6	456	5	5	5	5	5	5	5	5	189		682
303 - Internal Audit	5	328	5	5	5	5	5	5	5	5	180		539
304 - General Counsel	5	328	5	5	5	5	5	5	5	5	180		539
304 - General Counsel	4	312	4	4	4	4	4	4	4	4	180		522
31 - Communications	4	312	4	4	4	4	4	4	4	4	180		522
310 - Communications	9	746	10	10	10	10	10	10	10	10	324		1,138
32 - Safety, Health, Security & Quality	9	746	10	10	10	10	10	10	10	10	324		1,138
320 - Safety Health Security/Quality	27	2,124	27	25	25	25	25	25	25	25	930		3,225
321 - RAD PRO/Emergency Prep	10	841	9	9	9	9	9	9	9	9	328		1,225
322 - Nuclear Ops Supp & Compliance	9	754	9	9	9	9	9	9	9	9	288		1,099
324 - Quality Assurance	16	1,721	17	17	17	17	17	17	17	17	623		2,467
34 - Environmental Prog & Strategic Planning	62	5,440	61	60	60	60	60	59	59	59	2,169		8,016
340 - Environmental Prog & Regl Mgt	39	2,504	39	39	39	40	39	39	39	39	1,657		4,419
341 - Environmental Protection	0	1,000	0	0	0	0	0	0	0	0	0		1,030
35 - Business Services	39	3,505	39	39	39	40	39	39	39	39	1,657		5,450
35D - Contract Mgmt & Facility Svcs	24	3,273	27	27	27	27	27	27	27	27	1,020		4,480
35F - Industrial Relations	5	381	6	6	6	6	6	6	6	6	190		604
35H - Human Resources	15	1,096	15	15	15	15	15	15	15	15	531		1,731
35K - PRC Finance	13	998	13	13	13	12	12	12	12	12	468		1,552
36 - Prime Contract & Project Integration	57	5,748	59	59	59	59	59	59	59	59	2,209		8,368
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	0	0		1
361 - Cont Compl & Change Mgmt	11	613	13	13	13	12	12	12	12	12	468		1,156
362 - Strategic Pln & Mgmt	17	1,322	16	17	17	17	17	17	17	17	702		2,130
363 - EVMS Compl & Rptg	16	1,367	16	18	18	18	18	18	18	18	540		2,029
365 - Perf Assess & Risk Mgmt	0	0	3	3	13	13	13	13	13	13	352		410
38 - Project Technical Services	43	3,303	47	50	61	61	61	61	61	61	2,062		5,726
381 - Central Engineering	7	594	10	10	10	10	10	10	10	10	338		994
382 - Training & Procedures	9	2,137	10	10	10	10	10	10	10	10	360		2,559
383 - Operations Programs	8	804	7	7	7	7	7	7	7	7	252		1,099
384 - Project Delivery	13	1,128	13	13	13	12	12	12	12	12	366		1,571
3B - PFP Closure	37	4,664	39	39	39	39	39	39	39	39	1,316		6,224
3B0 - PFP Close/BOSS D&D & Infrastruc	65	5,179	66	67	68	73	67	60	1,088				6,703
3B3 - Project Management/Subcontracts	89	7,771	97	98	104	98	96	101	668				9,100
3B4 - Engrg Nuc Saf Plng&Wrk Control	52	2,343	58	58	58	58	58	58	283				3,018
3B7 - Environmental & Waste	34	2,791	31	33	33	33	33	33	374				3,381
3BA - Project Mgmt D&D	64	11,042	64	64	64	64	64	64	422				11,964
3BB - PFP D4 Deputy Project Mgmt	88	9,167	88	92	90	92	98	86	341				10,057
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0				0
3C - W&FMP/D&D Project	393	38,292	404	412	417	418	415	403	3,177				44,224
36X - Support to 3C - W&FMP/D&D Project	12	67	11	4	0	0	0	0	0				82
38X - Support to 3C - W&FMP/D&D Project	51	1,307	60	60	60	60	66	81	816				2,510
3AD - Sludge Treatment Project	137	15,992	141	144	143	140	140	138	5,788				22,823
3BX - Support to 3C - W&FMP/D&D Project	20	7,167	16	15	14	14	14	11	2,466				9,716
3C4 - Waste & Fuels Project Controls	58	6,744	60	63	67	67	67	67	2,474				9,658
3C5 - TRU Project	0	582	0	0	0	0	0	0	0				583
3C9 - Liquid & Fuels Storage	139	11,522	156	96	77	76	76	76	4,129				16,342
3CD - Waste Disposition	136	34,060	142	155	149	162	156	155	7,347				42,615
3D - Soil & Groundwater Remediation	553	77,442	585	536	511	519	519	527	23,021				104,330
3D0 - Soil & Groundwater Remediation	37	3,052	35	36	36	36	36	36	1,538				4,842
3D2 - GW Remediation Support	59	5,856	64	65	66	66	67	66	2,365				8,647
3D4 - GW Operations	121	7,583	117	118	117	117	116	116	3,745				12,098
3D8 - GW Analysis and Reporting	100	9,702	78	85	88	79	85	74	2,904				13,146
Grand Totals:	1,526	166,429	1,553	1,523	1,518	1,520	1,521	1,505	47,038				223,952

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 +\$166.0 million and +3.1% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$15,359
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		\$15,359

Use of Management Reserve (MR) and Fee Activity:

MR Utilization

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

There were no changes to MR during February.

Fee Activity

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

There were no changes to Fee during February.

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: 3/16/2015	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

February 2015
CHPRC-2015-02, 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	25%
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	10%
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	15%
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	44%
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 February.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees. One site-wide program, DOE-0346, *Hanford Site Fall Protection Program*, is currently in the process of developing an implementation schedule for Rev 1A. Two other site-wide committees (DOE-0344, *Hanford Site Excavation, Trenching and Shoring Procedure*, and DOE-0360, *Hanford Site Confined Space Procedure*), are starting the revision process.
 - Continue implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 693 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 187 CHPRC facilities. An additional 108 facilities have been sampled. For the month of March, 20 facility assessments are scheduled and characterization sampling events are scheduled for 10 items.
 - Continued working with Project Facility Chemical Custodians (FCC) to complete qualification cards.
 - Continued to provide field ergonomic assessments and office ergonomic assessments.
 - Continued to provide technical assistance to PFP and Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) for asbestos work activities.
 - Continued to provide technical support and guidance to DWF&RS and PFP with Confined Space classification and controls.
 - Continued to provide support to DWF&RS in the development of an Industrial Hygiene Exposure Assessment for vapor issues at the Central Waste Complex (CWC).
 - Provide support to PFP in resolving respiratory protection issues with resin beads inside tight fitting face pieces.
 - Provided technical support to all projects on improvements efforts of Confined Space documents.
 - Began planning for the Hanford Site Safety Expo.

- o Radiological Control accomplishments:
 - Supported ETF transition to WRPS. Re-evaluated routine surveillance program to eliminate back shift routines requiring WRPS RCT support.
 - Supported PFP in approving revision to technical evaluation for level B suit effectiveness factor increase.
 - Worked with CP S&M ECO to eliminated routine dose rate surveys for WIDS sites.
 - Completed Temporary Shielding Work Site Assessment.
 - Continued working with LMSI to convert Survey Simple to web-based application.
 - Continued work with site contractor IM to revise the Administrative Interface Agreement for Integrated Biological Control Program Services.
 - Hired Radiation Protection personnel for project positions.
 - Received final CY2015 CHPRC dosimeter readings. CY2015 ALARA goal was met within 95% of the target.
 - Approved 15 ACL extensions for PFP personnel.
- o Nuclear Safety accomplishments:
 - DSA:
 - Implemented two Safety Basis documents:
 - 224-T DSA, Revision
 - B Plant DSA, Revision
 - Drafted the Implementation/IVR Plan for the approved page change to “Bases” Section of the *Plutonium Finishing Plant Technical Safety Requirements* document, HNF-15502, Revision 11. (removal of Door 353 to support waste handling activities).
 - Received approval of, and implemented Contaminated Equipment Special Packaging Authorization Shipment Evaluation Checklist – CE-SPA-ALL-2014-110, *TRU Waste to CWC in Type A WIPP – Compliant Packages*, Revision 2.
 - Conducted a Worksite Assessment on PNNL Shipment of Radium Drum in a 4x4x4 container to CHPRC for disposal.
 - Prepared and obtained RL approval of CHPRC-02443, *Internal Load Securement Plan for 55-Gal and 85-Gal Drums in the Gray Cruiser*, supporting shipment of drums from the Central Waste Complex to Perma-Fix Northwest (PFNW).
 - CHPRC Transportation Safety held the Quarterly Transportation Safety All Contractor’s meeting at PFWW followed by a tour of the facility.
 - Letter received from RL in February include:
 - Letter, 15-NSD-0031_RL, dated February 11, 2015, *Approval of Page Change to “Bases” Section of the Plutonium Finishing Plant (PFP) Technical Safety Requirements Document*, HNF-15502, Revision 11.
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 169 Condition Reports (CRs) were screened in February:
 - 1 Significant issues identified
 - 0 Adverse issues identified
 - 84 Track Until Fixed (TUF) issues identified
 - 27 Trend Only (TO) items identified
 - 55 Opportunity for Improvement (OFI) items identified
 - 2 Screen Out
 - 162 CRs administratively closed.
 - 311 CR actions administratively closed.
 - One internal Lessons Learned was submitted to OPEX.
 - Coordinated responses to Lines of Inquiry submitted by the DNFSB specific to Sludge Treatment Project Nuclear Safety Initiatives and PDSA revision.

- Coordinated the on-site DNFSB review of STP Nuclear Safety Initiatives and PDSA Revision.
- Coordinated final responses to additional Lines of Inquiry submitted by the DNFSB specific to T-Plant seismic studies.
- Supported the monthly PFP/DNFSB status call.
- Coordinated the monthly CHPRC/DNFSB Information Request Status call.
- Coordinated the monthly DNFSB conference call concerning the STP.
- Twenty-five documents were provided in response to DNFSB requests for information.
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Attended EFCOG Leadership meeting in Washington D.C. in support of issuance of the Annual Plan.
 - Transmitted CHPRC-1404833A, “CHPRC Annual Integrated Safety Management System (ISMS) and Quality Assurance (QA) Effectiveness” inputs to RL.
 - Continued planning activities in support of the FY2015 Safety Culture Survey.
 - Completed initial work on IEP Update 1.3.0. Writing test plan and User Manual update to support release of update to Production.
 - Completed in-field activities for 10 CFR 835, Subpart J, “Radiation Safety Training,” surveillance scheduled for January through March.
 - Completed field work for SHS&Q-2015-SURV-15093, Review of DWF&RS Contract Directive Requirements for the Flow Down and Performance of Programmatic Assessments/Reviews/Evaluations.
 - Worked with the Transportation organization in the development of a four tiered graded approach to the procurement of waste packages.
 - Supported PFP and the CHPRC RPPA in the resolution of the mask resin bead contamination event experienced at UniTech. This effort included the development of a request for proposal to obtain an additional mask washing vendor and a site visit to the Airgas mask washing facility in Ferndale was also conducted.
 - Supported the Waste and Fuels organization at CSB to resolve issues with MCO sampling chain of custody form.
 - Completed selection of three additional contract Quality Assurance Engineers to support the Waste and Fuels organization.
 - Supported RL in the preparations for the upcoming DOE-HQ review of the CHPRC Commercial Graded Dedication process.
 - Completed an update to statement of work for MSA Acceptance Verification Services support to the CHPRC.
- 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. Supporting RL Be KPG recently identified for FY2015 with completion of 4 CHPRC responsible Be CAP products.
 - o **Action:** Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 693 CHPRC facilities. Additional personnel resources from MSA are being utilized for conducting Be assessments/characterization in PRC facilities.
 - o **Issue:** Accident & Injury Reduction.
 - o **Status:** Continue investigating recordable, DART, and first aid injuries to determine cause, prevention, reduction, to prevent recurrence.
 - o **Action:** 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 comment resolution with RL on DSA Revision 12. New NDA equipment purchased, calibrated, and deployed in PFP. New NDA program manager assigned to support process in PFP.

Environmental Program and Strategic Planning (EP&SP)

- **Compliance Status**
 - o Ecology issued an inspection report covering CWC and Trench 94 alleging “concerns” and some compliance issues. A response is being prepared to meet the reply date of March 25, 2015.
 - o The EPA enforcement action regarding ETF drum storage location has been closed.
- **RCRA Permitting Progress**
 - o Ecology has accepted the Part A RCRA permit for the transfer of LERF/ETF to WRPS. This transfer is scheduled to occur the end of March, 2015.
 - o Providing support of the site-wide Hanford Emergency Management Plan (HEMP) revisions continue. Current timeline is for HEMP modifications to be completed in May, 2015.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**
 - o Independent Assessment EP&SP-2015-IA-15058, *HASQARD/QSAS*, was completed. The draft report was submitted for factual accuracy review. The final assessment report is scheduled to be completed by March 31, 2015.
 - o EP&SP-2015-SURV-15494, *SWOC Container Management*, was completed. The draft report was submitted for factual accuracy review. The final report is scheduled to be completed by March 15, 2015.
 - o The assessment plan for Management Assessment EP&SP-2015-MA-15059, *Document Development and Clearance*, was completed. Performance of the assessment was also completed and the draft report is in process. The final report is scheduled for completion by March 31, 2015.
 - o An independent management assessment by CH2M Hill corporate staff, NU-MASS-0063, *Agreed Order (AO)*, was completed and the draft report submitted for factual accuracy review. Comments were provided to the assessment team. The final report is scheduled to be completed by March 10, 2015.
- **Corrective Actions**
 - o Issues resulting from the assessment by CH2M HILL, NU-MASS-0063, will be evaluated by ECQA and DWF&RS Performance Assurance to ensure accuracy and prevent redundant entries related to the issues identified in independent management assessment NBG-MASS-0059.

Business Services

- **Acquisition Planning**
 - o Supported DWF&RS for the WESF Stabilization/Ventilation Project W-130 and five upcoming procurement activities to support FY2015 work scope.
- **Facilities**
 - o Supported the PFP project in planning relocation of two self-contained shower trailers in preparation of the demolition of the surrounding facilities. This work has been given to PTS to complete for the project. Plan may migrate to excess to other Prime or demolish in place.
 - o Kicked off the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM has completed locating 10 percent of 3,407 items during February.
 - o Continue to support the ETF transition of property and personnel from CHPRC to WRPS.

- Expanded CHPRC current facilities to accommodate new work locations.
- Modified 4704 in the 400 area to facilitate new hires to support ECRTS.
- Supplied documentation to the in process FY2015 KPMG property audit.
- **Finance**
 - Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits.
 - February month end completed with no suspensions.
 - Provided support for FY2015 Forward Pricing Rate audit by KPMG.
 - CHPRC Internal Audit of Accounts Payable concluded in February, with no findings and conclusion of “practices were well controlled and substantially compliant with CHPRC policies and procedures, contractual terms, regulatory requirements, and sound business practices. Payments were made in accordance with government regulations and contractor procedures, and internal controls existed to assure timely, accurate, and proper payments were made.”
 - Provided banking reconciliations to RL Finance per request.
- **Human Resources**
 - Implemented 360 Degree Feedback program for the leadership team of SHS&Q. Results will be shared with participating individuals in March.
 - HR Staffing representatives participated in a WorkSource resume writing class to provide guidance and tips to Veterans. This was done in a good faith effort to reach out to Veterans seeking employment assistance and to support our Affirmative Action Plan goals.
- **Labor Relations**
 - A total of five (5) grievances requested and/or scheduled for arbitrations were withdrawn (three of which were withdrawn in late January and not previously reported).
 - PRC-013-070 – PTB for Wellness Programs
 - General Grievance – HAMTC Officer, Recording Secretary
 - PRC-013-088 – By-Pass for overtime due to training
 - PRC-014-110 – Discipline
 - PRC-014-105 – Officer Lead Pay
 - Awaiting decision on two arbitrations - grievance PRC-013-017AED, and PRC-013-098- seniority group B18 and 018.
- **Procurement**
 - Awarded/amended 125 contracts with a total value of \$10 million. Additionally, awarded 168 new material purchase orders valued at \$617,931 to support ongoing project objectives.
 - At the end of the first 77 months of the PRC, procurement volume has been significant; \$2.18 billion in contract activity has been recorded with approximately 50.7 percent, or \$1.1 billion, in awards to small businesses. This includes 6,747 contract releases, 18,441 purchase orders, and 216,729 P-Card transactions.
 - Completed and issued one Advance Planning Document for review or approval associated with risk and modeling activities.
 - On February 10, 2015, Contract 56189 Release 01 was awarded to Holt Services, Inc. for the “Install Three Wells Plus One Well in the 200-ZP-1, FY2015,” work scope in the amount of \$1,054,216.00 for the three base wells on a firm fixed price basis. This was a result of a competitive solicitation RFP #273616 which was provided to the CHPRC Well Drilling Services BOA holders.

Prime Contract and Project Integration (PC&PI)

Work was completed and the final report issued for Management Assessment, PC&PI-2015-MA-15016, and Assessment of the Effectiveness of the Identification, Management, and Closure of Project Risks.

Completion of this assessment was one of the corrective actions identified as a result of the CHPRC root cause analysis performed in response to RL’s request to develop a Corrective Action Plan addressing the

issues identified in the DOE OIG report on their assessment of PFP productivity. The MA resulted in two Findings and three Opportunities for Improvement (OFIs). The Findings and OFIs and associated corrective actions were entered into the CHPRC Condition Reporting and Resolution System to document them and facilitate their tracking to closure.

- **Contracts Compliance and Change Management**

- o In February, Prime Contracts and CC&CM received and processed seven (7) contract modifications (numbers 382, 389, 390, 392, 393, 395, and 396) from RL. Correspondence Review received and determined the distribution for 36 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 28 outgoing correspondence packages.
- o There were three Potential Notice of Change/Impact letters provided to RL in February: CHPRC-1500448AR1 – Implementation schedule and notification of potential impacts for Hanford Site Fall Protection Program DOE-0346 Revision 1A; CHPRC-1500588 Government Furnished Breathing Air Masks; and CHPRC-1500624 Delay in Approval of Rev. 0 of RDR/RAWP for 300 Area Groundwater.

Change Proposal/REA Summary

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

- o Estimating & Program Support provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Completed estimates and conducted review and approval activities in support of the Capital Asset project Glovebox removal work scope on February 26, 2015.
 - Sludge Treatment Project (STP):
 - Conducted estimate kick-off meeting on February 19, 2015, in support of the upcoming Capital Asset project, with focus on the procurement work scope. Follow on meetings will be conducted to cover all elements of the work breakdown structure that are included in Capital Asset work scope.
 - Provided a briefing to RL Contracting Officer and RL Project Staff on February 11, 2015, overviewing the REA 012 1454 - *Sludge Treatment Project FY2013 Sequestration Impacts*, that was submitted on January 29, 2015.
 - Met with RL Technical Staff on February 26, 2015 to review the actual cost files that were delivered with REA 012 1454, Sludge Treatment Project FY2013 Sequestration Impacts, in support of RL's review of the REA.
 - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
 - Definitized CO 259, *Definitive Design Report for WESF Ventilation Project W-130*, on February 23, 2015. CHPRC provided all necessary information that supported definitization within the 180 day HQ tracking metric due date of February 11, 2015.
 - Definitized CO 252, *Supplementary Characterization of UPR-100-K-1 and 116-KE-3 Waste Sites*, on February 11, 2015.
 - Completed an estimate review for CP 013 262, ERDF Leachate Transfer Pipeline Installation on February 4, 2015, in support of RL's technical review of the proposal.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Submitted the actual cost incurred to develop the proposal submitted in response to CO 262, 200 West Pump and Treat Membrane Bioreactors, on February 25, 2015.

- Participated in a review of RL's technical evaluation of the estimate associated with CP 030 264, Uranium Treatment Inside 200W P&T, on February 26, 2015.
- Received CO 266, 200-BP-5 OU Construction and Operations and Maintenance of Transfer Pipelines, on February 18, 2015. This effort was initiated in January with the receipt of a Request for Proposal from RL; the scope and due date are unchanged.
- Provided supplemental information to RL in response to questions on CP 030 1511, 200-UP-1 Southeast Chromium Plume, on February 10, 2015.
- Conducted a Senior Management review for the REA associated with Increased Aquifer Tube Sampling, on February 19, 2015.
- ES Safety, Health, Security, and Quality (SHS&Q)
 - Completed estimate review and closed questions generated by an RL technical review of CP 000 248, Chronic Beryllium Disease Prevention Program Revision 2A, on February 25, 2015. RL will accept CHPRC proposed cost as submitted in the Revision 1 proposal. The processing of the definitizing modification is in progress at RL.
- Project Technical Support:
 - Completed an estimate that will support procurement of construction services to install fencing in the area of the 100K Area electrical substation.
- **EVMS Compliance and Reporting**
 - o Completed an Integrated Project Team (IPT) review (held monthly) which provides an internal independent evaluation of scope, schedule, budget, risks, funding and other elements relevant to CHPRC projects, including the validity of the budgeted cost of work performed values. These reviews are done to assure the adequacy of CHPRC EVMS data for use by RL and CHPRC management. No major issues have been identified. The IPT results are reviewed by Senior Management at the internal Monthly Project Review.
 - o Processed and incorporated 8 Baseline Change Requests (BCRs) into the Performance Measurement Baseline (PMB).
 - o A test environment has been completed for a central database/repository that will provide a coding structure for documenting each project's earned value basis and methodology. This system will enhance the current capabilities of providing accurate earned value data. Completion of the database is projected in March/April.
 - o Project's project control organizations comments on the draft of the new Earned Value Management (EVM) Training Program Description (TPD) were incorporated and the draft document was distributed to the Vice President's for their review and comment. Development and implementation of this TPD is one of the actions in the Corrective Action Plan developed in response to the conclusions of the root cause/common cause evaluation performed by CHPRC on why external and internal assessments of CHPRC's EVM system continue to identify deficiencies and Opportunities for Improvement (OFI).
 - o Revision 10 to CHPRC-00003, *Project Control System Description*, was issued. Significant changes incorporated in Revision 10 included adding narrative addressing CHPRC's use of lower level CACNs under the current Level 4 CACNs to enable more detailed cost segregation when desired, adding a WBS 000 FY Variance at Completion threshold requiring variance reporting, and modifying the CHPRC Performance Measurement Baseline change control "freeze period" from being just the current reporting period to being the current reporting period plus one month to align with the expectations of the DOE-HQ Office of Acquisition and Project Management (OAPM).
 - o A revision was issued to PRC-GD-PC-40076, *Baseline Change Control Implementation Guide*, to incorporate the previously noted revised definition of the CHPRC Performance Measurement Baseline change control "freeze period".

- **Strategic Planning and Integration**

- **Interface Management**

- o Interfaces (Technical, Administrative and Regulatory):
 - Facilitating MSA resource priority for 100K and 400 Area water line maintenance and repairs.
- o Annual Forecast of Services:
 - Status of usage based services needs ongoing and communicated to MSA as appropriate.
 - Provided notice to MSA to provide four additional dedicated rigger/iron worker resources to PFP for the balance of the Fiscal Year. These resources will be new hires and have an estimated start date of early April.
- o Inter-Contractor Issue Resolution:
 - Completed internal reviews and data call collection for the annual ISAP reporting request from MSA.
- 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) – New comments provided and back in review cycle.
 - HNF-40686 Revision 5, AIA between CHPRC, WRPS and MSA for the Integrated Biological Controls Program – Revision in process.
 - HNF-52028, AIA for Accident/Incident/Exposure/Uptake/Personal Injury/Critique POC and Safety Issue Escalation with MSA – developing revision to include notifications/communications for exceeding occupational exposure limits.
 - TOC-AIA-OHC-00041, Rev 0, AIA for Waste Treatment Plant Operational Readiness Integration – Issued.
 - Participating in development of a proposed Inter-Contractor Stop Work AIA. AIA is routing for final signatures.
 - Participating in development of an ICD with WCH for ERDF Leachate transfers to CHPRC Liquid Treatment Facilities (ETF/LERF/200 West Pump & Treat). Routing for final concurrence.
 - Participating in the development of an AIA with WRPS for Removal of the Heat Exchanger at ETF. Document is routing for signature.
 - Supporting annual review of the J.3 Service Delivery Documents.
- o J.3 Table:
 - Reviewed WRPS proposed update to J.3 32 RSS Services item regarding updating ANSI references. Still in review mode.
 - Reviewed MSA proposed update to J.3 30 Ecological Monitoring and Compliance relating specifically to the Migratory Bird Treaty Act. Comments provided to MSA Interface Management. Final resolution of wording still ongoing.
 - Continue reviews of the J.3 76 item to address transfer of ETF/LERF/TEDF scope to WRPS.
- o J.13/J.14 Tables:
 - Continue reviews of the ETF facilities to determine transfer impacts of structures and waste sites to WRPS.
 - Provided concurrence on Waste Site Contract updates related to Long Term Stewardship sites in 100 F Area and Segment 4A areas.
- o Internal Operations:
 - Revision of Interface Management PRC-PRO-MS-10472 is in progress.
 - Continue support of ETF/LERF/TEDF transition to WRPS, as requested.

- Continue efforts on work management improvement initiatives relative to other contractors performing work in CHPRC facilities (Co-effort with PTS).
- Continue facilitating information flow regarding the Unitech tight fitting mask resin bead “Stop Work” at PFP.

Information Management

- o Software development of the Respiratory Protection Equipment Tracking automated system continues.
- o Initial inventory of all OCWRM holdings located at the 3212 Building to locate approximately 1000 records that do not have specific box locations on the OCRWM Index has been completed. 12 documents were identified as missing. To date, three documents were located and reproduced, and five documents have been printed from duplicate records that will also be identified on a deficiency report (DR). Four records require additional research.
- o Provided IT, event logistics, and facilitation support to organizational all hands 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 10,995 Electronic Records into IDMS.

Project Technical Services (PTS)

- **Central Engineering**

- **Fire Protection Engineering**

- o The WESF Project Fire Hazard Analysis (FHA) reports are complete. The equivalency request for the Project FHA has processed through comment resolution with the HFMO.
 - o The PFP FHA update is working through issues associated with the use of scaffolding, a skid steer, and combustible loading.

- **Engineering Services**

- o Performed a design review of Project W-130 preliminary design of the WESF Stabilization and Ventilation Project.
 - o Supported DWF&RS Canister Storage Building (CSB) in the evaluation of the Cask Receiving Crane (CRC) rails and confirming that the CRC rails provide Safety Class function during the operation of the MHM crane as specified in the CSB FSAR.
 - o Performed review of WESF Project W-130 ASME AG-1 compliance matrix.
 - o Performing review and update of the Natural Phenomena Hazard (NPH) procedures in compliance with Contract No. DE-AC06-08RL 14788 - Contractor Requirements Document DOE O 420.1C, (Supplemented Revision 0), Facility Safety.
 - o Participated on a team that performed an in-process surveillance of ETF’s heat exchanger that is being fabricated by Northwest Copper Works in Portland Oregon. The purpose of the surveillance was to perform oversight activities near the end of fabrication of the ETF heat exchanger. Results of the surveillance were satisfactory.
 - o Participated in an assisted visit by the Chief of Nuclear Safety and Office of Quality Assurance staff to observe implementation of CHPRC’s commercial grade dedication process.
 - o Supported MSA Fleet Maintenance in the repair of a crack on the boom of a truck mounted 80 ton crane.
 - o Supported DWF&RS, STP in the preparation of response to DNFSB Staff Questions on the T-Plant Seismic Analysis.

- **Procedures and Training**

- o Implemented seven new safety-related CBTs.

- o Completed 121 procedure actions (69% technical).
- o Completed transition of all ETF training materials to WRPS.
- o Supported RL Training Assessment.
- o Supported training collaboration workshop with HAMMER and the National Training Center.
- o Completed worksite assessment on ETF shift operations manager stipend criteria.
- o Completed revisions to S&GRP Field Work Supervisor qualification cards.
- o Coordinating with multi-contractor team to transition ETF procedures to WRPS.
- o Updated ITEM templates to reflect the new Work Management Training Program Description.
- **Operations Program**
 - o Revised PRC-PRO-OP-28033, Turnover of Shift Responsibility, to clarify and align with current Conduct of Operations requirements.
 - o Dispositioned comments and completed revision on PRC-PRO-OP-40124, Control of Interrelated Processes revision.
 - o Drafted revision to PRC-PRO-OP-696, Conduct of Operations, to revise annual update from 2 to 3 years.
 - o Supported “Effective Work Planning” class for six CHPRC employees.
 - o Revising training materials for three Work Management classes to align with revised procedures.
 - o Developing single CHA of each craft for Hanford site, rather than each contractor.
 - o Met with Electrical Safety Representative and AHJ to develop position paper confirming electrical shock from Rad Instrument High Voltage, Low Current power supply.
 - o Mover’s procedures were updated to correct calibration errors.
 - o Completed update of Liquid Waste Fuel Storage Hazards Survey.
 - o Conduct of Work Mentors continuing to support hazard identification and implementation of hazard controls, ETF transition, project cause evaluations, emergency preparedness drills and facility safety walk downs.
 - o Supported PFP and DWF&RS in transferring 216-Z-9 and 241-Z-361 for revisions of Emergency Preparedness documents.
 - o Assisting DWF&RS with ETF Emergency Preparedness transition.
 - o Supported projects implementation with the changes to the Work Management Suite of Procedures
 - o Developing Worksite Walkdown Form to aid in work instruction development
 - o Finalized the REP and SOW for obtaining alternative Calibration Service Contractor
 - o Updating reports to compensate for recent changes made by MSA/LMSI to the M&TE database
 - o Providing assistance to DWF&RS in separating M&TE to be turned over to WRPS with LEF transition.
 - o Met with LMSI to discuss path forward on the design, organization and content of the Work Control website
 - o Completed new Training Activity Sheet for the Responsible Manager course that will supersede 600029 to facilitate changes made in the last revision of the Training Program Description. This will facilitate equivalencies for those employees who leave and return to CHPRC since the qualification cards were canceled.
- **Project Delivery**
 - **Wells**
 - o Well MJ16 - Completed 3” HDPE bonding 8764LF. Both road crossings completed
 - o UP1 transfer line - Continued bonding of DWHDPPE. 14,000 lf. of 16,000 lf. installed to date.
 - o 100 Area well scope - RFP issued, proposals currently under evaluation.
 - **Facilities**
 - o 289T Sunshade - CCD Completed.
 - o 289T Weather Enclosure - CCD Completed.

- o Continued construction of the borehole enclosures at 100K area.

RAD Building Mods

- o USIT-Y10 fabrication in progress. Delivery scheduled for April 13, 2015.

DWF&RS Projects

- o ERDF Transfer Line - NOI awarded to Ojeda.
- o 189 Clearwell Tank – Mobilization scheduled for March 30, 2015.
- o 1803 Raw Water Tank – Award of contract to Grant.
- o 105KW and Annex Roof Sealing – Engineering roof assessments in progress for scaffold erection.
- o CWC 2403WA Roof – Exploring coating options with facility as a test platform for all other roofs at CWC.
- o WESF 60% design, comment resolution completed.
- **KW Annex Construction**
 - o Completed fire proofing (minus a defined punch list of items – seismic bracing hanger repairs/tie off repairs/door frames (RLD-310)/change room supports/beam penetrations at gypsum walls)
 - o Completed low pressure test of the fire protection piping in the low, intermediate and high bay areas.
 - o Completed painting of the fire protection piping in the low, intermediate, and high bays.
 - o Completed the installation of the HVAC duct in the HEPA/ME and Intermediate Bay (minus the change room).
 - o In Basin: Completed installing the door 148 temporary enclosure and electrical modifications (existing FMPs).

Communications

- CHPRC Communications assisted RL Office of External Affairs on media responses through the month of February on topics including the expansion to remove uranium from groundwater and the PFP Inspector General Audit. Communications hosted RL Office of External Affairs employees Mark Heeter and Lori Gamache on a Hanford Site tour of CHPRC projects.
- Communications began developing strategies and materials to support communicating progress at the PFP (pencil tank unit and glove box removal inside 242-Z) as well as the PFP Employee Incentive Plan. Strategies and materials are also under development for the expansion of groundwater treatment, borehole drilling at 100KE, demolition of an old 100D Pump-and-Treat facility and the procurement of Lane Christianson and the Becker Hammer drill rigs in the 100H area for S&GRP.
- CHPRC supported RL in preparing a presentation on the status of PFP for delivery at the March 10, 2015 HAB River and Plateau Committee Meeting. Communications established bi-weekly coordination meetings with the RL Public Involvement representative and attended the Tri-Party Agreement agencies public involvement coordination meeting.
- CHPRC also planned and coordinated regulatory interactions for John Ciucci, including a meeting with Maia Bellon, Director of the Washington State Department of Ecology, Jane Hedges, Ecology Nuclear Waste Program Manager, Dennis Faulk, EPA Unit Manager, and Earl Fordham, Office of Radiation Protection, Department of Health. The objective of these interactions is to familiarize regulators and stakeholders with CHPRC's new leadership and reinforce CHPRC's commitment to safety, regulatory compliance and performance excellence.
- To highlight CHPRC's involvement in the community, Communications is preparing materials to support a proposed April media visit to a local school where Hanford and CH2M HILL employees are teaching children about safety, the importance of education and about the careers available at Hanford. Additionally, Communications produced a summary highlighting CHPRC's involvement in

and support of the community during the first quarter of FY2015. Communications also developed posters for the current hand safety campaign.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Office of the President	0.1	0.1	0.2	0.0	0.0%	0.0	-32.9%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	0.0	-54.7%
General Counsel	0.1	0.1	0.0	0.0	0.0%	0.1	54.7%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-24.4%
Safety, Health, Security and Quality	1.1	1.1	1.2	(0.0)	-0.1%	0.1	-12.5%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	2.4%
Business Services	1.4	1.4	1.4	0.0	0.0%	(0.0)	-2.8%
Prime Contract and Project Integration	1.5	1.5	1.6	0.0	0.0%	(0.0)	-1.6%
Project Technical Services	0.5	0.6	0.6	0.0	2.7%	(0.1)	-11.1%
Indirect WBS 000 Total	5.2	5.2	5.5	0.0	0.3%	(0.3)	-5.5%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

CM Schedule Performance: (+\$0.0M/+0.3%)

Variance is within reporting thresholds.

CM Cost Performance: (-\$0.3M/-5.5%)

Variance is primarily attributed to reduced external dosimetry service costs, staffing vacancies currently in process of being backfilled, and increased direct project support.

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	0.7	0.7	0.8	0.0	0.0%	(0.1)	-32.9%	1.7
Internal Audit	0.3	0.3	0.4	0.0	0.0%	(0.2)	-66.4%	0.7
General Counsel	0.5	0.5	0.4	0.0	0.0%	0.1	13.5%	1.2
Communications	0.4	0.4	0.5	0.0	0.0%	(0.1)	-17.6%	1.0
Safety, Health, Security and Quality	5.4	5.4	4.5	(0.0)	-0.2%	0.8	16.2%	13.9
Environmental Program and Strategic Planning	1.7	1.7	1.6	0.0	0.0%	0.0	2.8%	4.3
Business Services	7.2	7.2	7.5	0.0	0.0%	(0.4)	-5.3%	16.2
Prime Contract and Project Integration	8.4	8.4	7.3	0.0	0.0%	1.1	12.9%	23.0
Project Technical Services	2.8	2.8	3.0	(0.0)	-0.3%	(0.2)	-8.2%	7.3
Indirect WBS 000 Total	27.2	27.2	26.1	(0.0)	-0.1%	1.1	4.0%	69.2

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

Variance is within reporting thresholds.

FYTD Cost Performance: (+\$1.1M/+4.0%)

Variance is within reporting thresholds.

Baseline Change Requests

BCR-PRC-15-021R0 – *Performance Analysis and Risk Management*

BCR-PRC-15-022R0 – *Schedule Health Adjustments - February 2015*

BCR-PRC-15-024R0 – *Undistributed Budget Adjustments- February 2015*

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	
Executive Level Risks				
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat.			In the past year attrition rates have increased to ~12 percent. Planned risk mitigation actions include: <ul style="list-style-type: none"> • Salary increase fund – Complete • Proposed PFP incentive program – Pending announcement by the end of March. • Retention and recruiting plan investments – On going • CHPRC People Legacy Program – On going
Executive Level Unassigned Risks				
CHPRC will conduct internal reviews to ensure risks are still valid. In cases where risk has passed/or is no longer valid CHPRC will no longer report, and close the risk in the database. In the event risk are still valid ownership will need to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.