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President and Chief
Executive Officer

Monthly Performance Report

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March 2015
CHPRC-2015-03, Revision 0

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EXECUTIVE SUMMARY

- During the month of March, CH2M HILL employees continued removing a piece of history at the Plutonium Finishing Plant (PFP) with the size reduction of WT-2 – the glovebox that was the location of the 1976 explosion that severely injured Harold McCluskey. Crews worked on completing size reduction of the glovebox and began size reducing the last glovebox, WT-1, in 242-Z. Crews also began size reducing the last two pencil tanks in the Plutonium Reclamation Facility Canyon.
- The Soil and Groundwater Remediation Project (S&GRP) completed welding activities for the dual-wall high-density polyethylene pipeline, added to support uranium treatment capability expansion at the 200 West Pump-and-Treat Facility. At the facility in March, crews installed and anchored the AVANTech IX uranium treatment train.
- Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) began drilling boreholes to determine the extent of contamination under the K East reactor. DWF&RS also completed 80 percent of the debris relocation work inside the K West basin to make room for sludge removal equipment, and began reactivating the Waste Encapsulation and Storage Facility (WESF) canyon crane in preparation for upcoming ventilation upgrades for the WESF canyon.



A PFP employee cuts apart a piece of WT-2.



K West employees relocate debris in the basin.

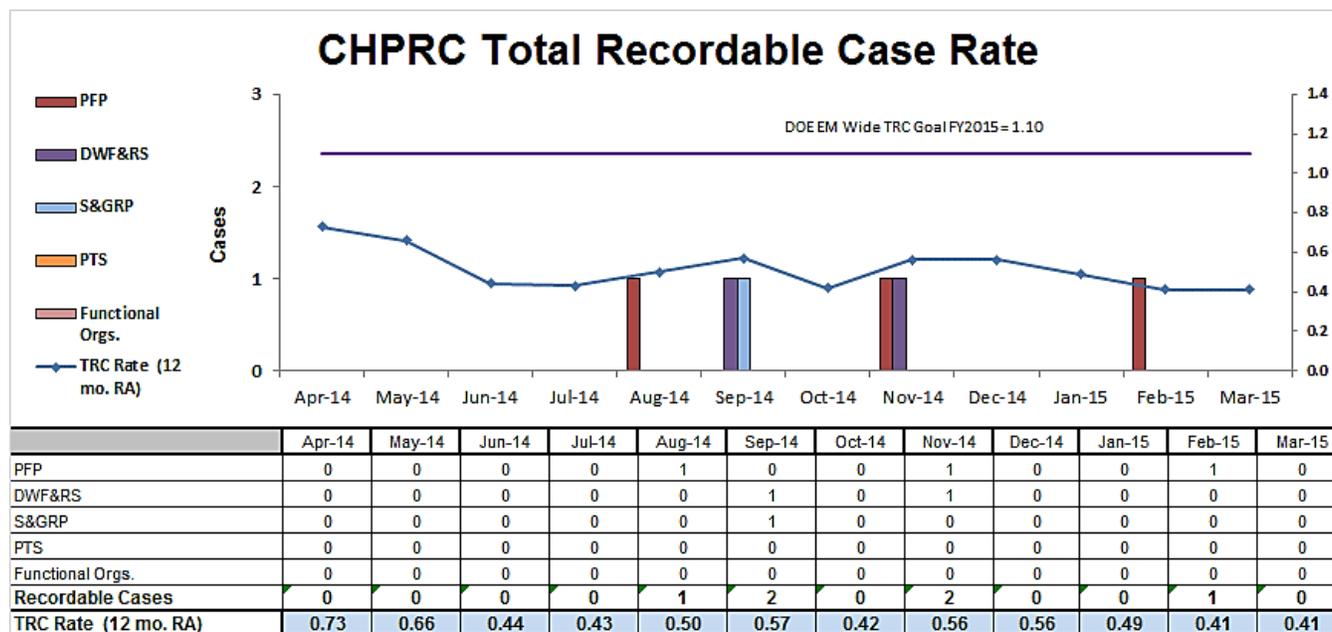
- The Safety, Health, Security & Quality (SHS&Q) Organization hosted the President’s Zero Accident Council (PZAC) meeting for March 2015. The three main themes and presentations for the meeting were:
 - o Being Lucky ≠ Being Safe
 - o Know Your Safety Professionals
 - o Use Your Head; Protect Your Hands
- Five “*Thinking Target Zero*” (TTZ) bulletins were published in March to convey important occupational safety, health and environmental messages:
 - o Driving Safety
 - o Hand Injury Prevention
 - o Globally Harmonized System (GHS) Update
 - o Voluntary Protection Program (VPP) - Core Team
 - o Driving Distracted
- *Weekly Safety Tailgate* briefing packages in March communicated relevant topics and safety information to the workforce:
 - o Time to Spring Forward – Daylight Saving Time
 - o Medications at Work
 - o Off Site Lessons Learned: Falling on Ice Results in Head Injury
 - o Preventing Back Injuries
 - o Procedure Update - MSC-PRO-417, *Controlling Prohibited and Controlled Articles*
 - o Off Site Lessons Learned: Safe Practices When Using Corded Drills
 - o Prescription Safety Eyewear
 - o Yield to Emergency Vehicles
 - o Safety Glasses Testimony
 - o Distracted Driving
 - o “What Would You Do?” Ethics Awareness messages
 - o Injury/Illness Summaries and the TTZ of the week
- On March 16, 2015, CHPRC used the Weekly Safety Tailgate format to conduct a safety stand down to focus on safety. The stand down reviewed recent events, including near misses, as a learning tool to renew our commitment to performing work safely.
- Weekly Updates in March featured a blog by Mike Swartz, Vice President of PFP, summarizing recent progress in safely and compliantly working toward the goal of demolishing PFP by September 30, 2016. Moses Jaraysi, Vice President of Environmental Programs & Strategic Planning issued a blog describing the Hanford Site’s contribution to a recent award recognizing our parent company, CH2M HILL, for excellence in greenhouse gas (GHG) management. The award was given by the U.S. Environmental Protection Agency (EPA) in collaboration with the Association of Climate Change Officers, the Center for Climate and Energy Solutions, and The Climate Registry.
- The March Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:
 - o 100K Area employees who helped an employee who recently hit an elk while driving to work in the heavy fog. Some directed traffic at the scene while others checked on the employee throughout the day.
 - o An employee who witnessed high winds blow over a truck and trailer rig. The employee called the Hanford Fire Department and helped stabilize the scene by ensuring the vehicle was shut down and that there were no other hazards to personnel.



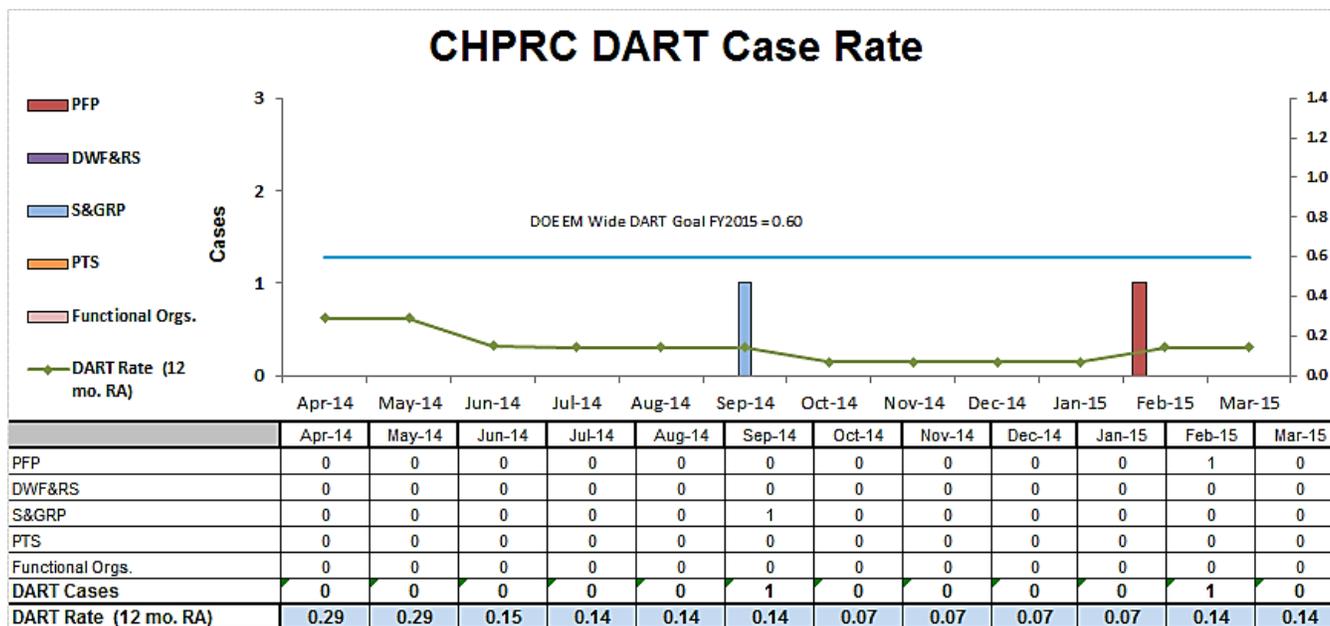
- o Three employees completed the Special Government Employee (SGE) program training. As qualified volunteers from a VPP site, these individuals are now eligible to participate in the Occupational Safety and Health Administration's (OSHA) SGE program.
- o A PFP supervisor shared his compelling personal medical story throughout PFP and our company. When the employee recognized something was wrong, he sought medical help and eventually had heart surgery. His story has prompted others to re-examine their lifestyles and served as a reminder to listen to your body.
- o CHPRC team members in the Emergency Operations Center (EOC), the Joint Information Center (JIC) and in the field who supported a successful Hanford Site Emergency Management Program Second Quarter Limited Exercise.

TARGET ZERO PERFORMANCE March 2015

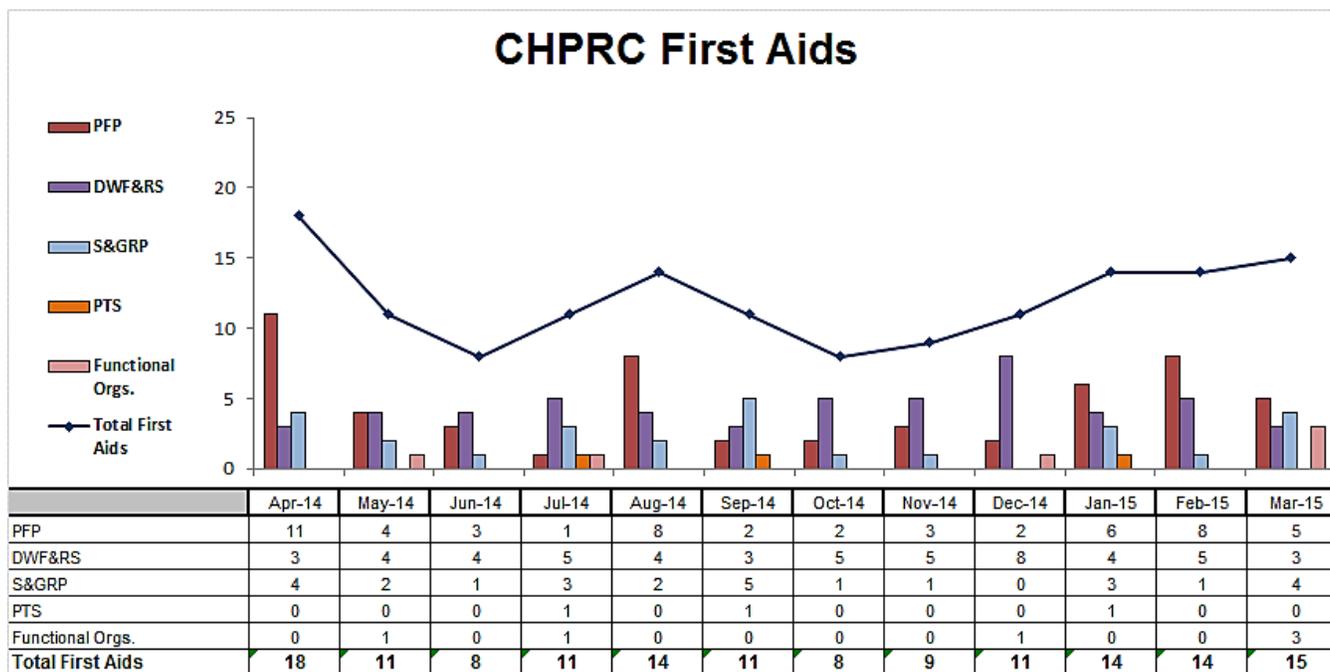
CHPRC continued focusing on integrating safety programs in all program and project areas.



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 were no Recordable cases in March. There are no cases currently being evaluated/investigated for potential recordability.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.14 is based upon a total of two Days Away cases. There were no DART cases in March.



First Aid Case Summary – CHPRC reported fifteen first aid cases in March 2015; of these 15 cases, six cases required no treatment. There were three self-treated injuries. The contributors were six sprains/strains/pains, five abrasions/contusions, two insect bites/stings, one cut/laceration and one eye irritation.

KEY ACCOMPLISHMENTS

Projects

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

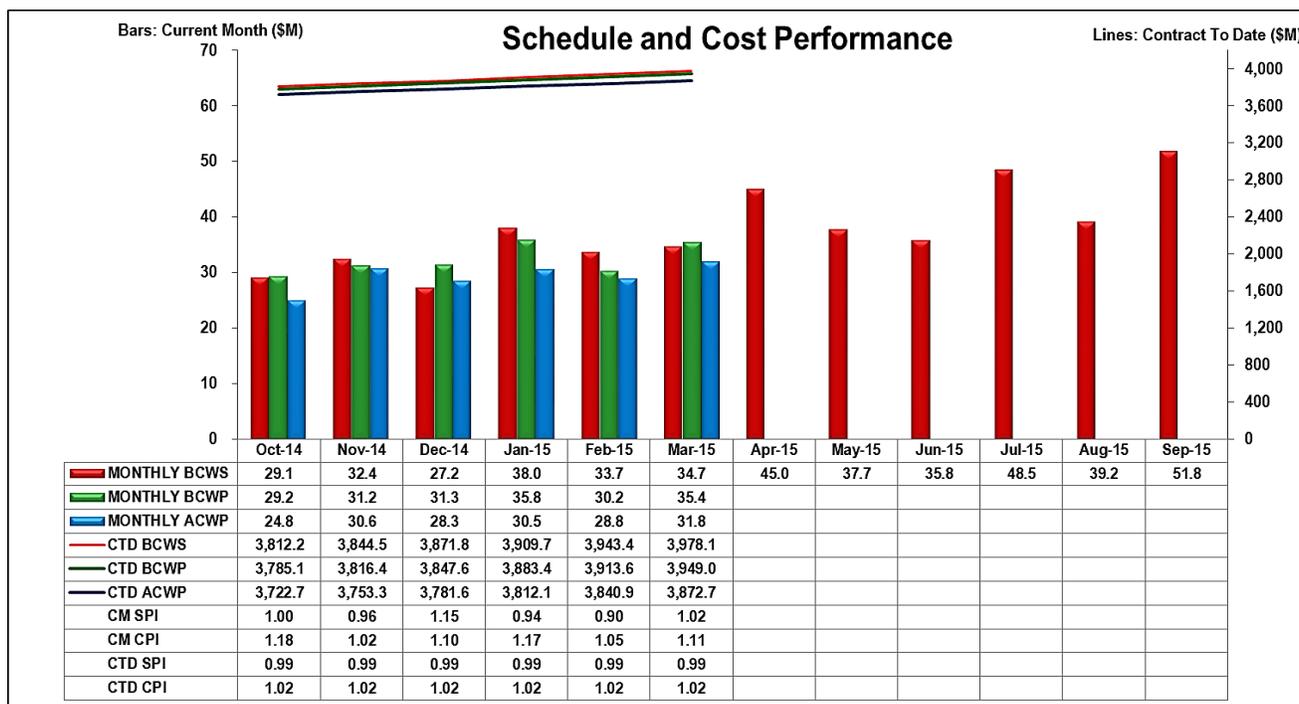
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M					\$M					\$M		
	Current Period					Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	8.8	9.2	8.7	0.4	0.5	782.2	751.0	788.4	(31.2)	(37.4)	938.7	958.1	(19.4)
RL-0012 - SNF Stabilization & Disposition	6.1	5.8	5.2	(0.3)	0.7	472.0	475.4	484.8	3.4	(9.4)	696.1	715.4	(19.2)
RL-0013 - Solid Waste Stab & Disposition	8.5	9.0	6.7	0.5	2.3	925.2	926.8	881.2	1.6	45.6	1,368.8	1,278.1	90.7
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.4	9.9	10.1	(0.5)	(0.2)	1073.0	1070.3	1055.0	(2.7)	15.3	1,530.1	1,489.8	40.3
RL-0040 - Nuc Fac D&D - Remainder	0.9	0.8	0.8	(0.1)	0.0	394.3	394.1	363.4	(0.2)	30.8	457.8	421.8	36.0
RL-0041 - Nuc Fac D&D - RC Closure Project	(0.3)	0.4	0.3	0.7	0.1	312.4	312.3	284.4	(0.1)	28.0	397.8	368.3	29.5
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	(0.0)	0.1	19.1	19.0	15.6	(0.1)	3.4	26.6	20.0	6.5
Total		34.7	35.4	31.8	0.7	3,978.1	3,949.0	3,872.7	(29.2)	76.2	5,415.9	5,251.5	164.5

(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 \$164.5 million with \$78.4 million of Management Reserve for a total positive variance of \$242.9 million.

For March, the project was 2 percent ahead of schedule and 9.9 percent under planned cost. For FY2015, the project was 1 percent behind schedule and 9.4 percent under planned cost. The schedule variance is primarily due to completing prior month work scope for the final return of a large box shipment from PermaFix Northwest. 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	128.4	119.8	8.5
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	85.7	79.3	6.4
RL-0013	Waste and Fuels Management Project	101.5	89.9	11.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.6	134.8	2.7
RL-0040	Nuclear Facility D&D, Remainder of Hanford	15.5	14.2	1.3
RL-0041	Nuclear Facility D&D, River Corridor	9.6	7.9	1.7
RL-0042	Fast Flux Test Facility Closure	1.4	1.3	0.2
Total Base:		479.5	447.2	32.4

Funds/Variance Analysis

FY2015 expected funding increased in March from \$444.2 million to \$479.5 million per revised guidance from DOE-RL providing \$35 million additional funding and revised work authorization. The FY2015 Spend Forecast was increased \$10 million including incorporation of the newly authorized work.

BASELINE CHANGE REQUESTS

In March 2015, CHPRC approved and implemented nine (9) Baseline Change Requests (BCRs) impacting the Performance Measurement Baseline (PMB). Each change request is identified in the table below:

Change Request #	Title	Summary of Change
BCR-013-15-005R0	<i>Repackaging of Small TRU Containers at Perma-Fix Northwest</i>	This BCR modifies the PMB to incorporate authorization from RL to proceed with repackaging small container suspect transuranic waste at PermaFix Northwest. This was due to T Plant not being available for waste processing, as it was placed in a Min Safe configuration per RL's direction. The addition of Work Breakdown Structure (WBS) 013.06.01.11.01 TRU Small Containers, \$965K, is offset by a reduction to WBS 013.11.01.01.01 Effluent Treatment Facility. This BCR did not change the PMB value.
BCR-013-15-006R0	<i>T Plant Modifications Delay ETF Offset</i>	This BCR implemented DOE-RL's direction to decrease WBS 013.011.01.01 Effluent Treatment Facility budget in FY2018 by \$416K. This reduction offset the PMB increase resulting from BCR-012-15-003R0, Delay T Plant Modifications implemented February 2015. This change decreased the PMB by \$416K.
BCR-030-15-014R0	<i>Definitization of CO #265, US Ecology Documentation Review</i>	This BCR modifies the PMB to align with the definitization of Change Order (CO) number 265, US Ecology Documentation Review, as documented by Contract Modification (CM) 391. Per the CM, an offsetting scope value within WBS 030.03.02.01.06 - 100-NR-2 Drill Wells CERCLA 5-Yr Out Years was removed from the PMB and transferred to CLIN 7. This BCR did not change the PMB value.

Change Request #	Title	Summary of Change
BCR-040-15-002R0	<i>Reinstate PBS RL-040 Canyon Risk Mitigation from CLIN 7</i>	This BCR transfers canyon risk mitigation scope from CLIN 7, WBS 040.01.26.01, Misc. Facilities Hazard Reduction, to the PMB under WBS 040.01.26.01.22.04 Risk Mitigation, consistent with DOE-RL direction found in the December 18, 2014, letter entitled <i>Baseline Alignment to Contract</i> , correspondence number 1405448. This change increased the PMB by \$1,450K.
BCR-041-15-007R0	<i>A-9 Substation Fence Repair</i>	This BCR adds scope to the PMB within PBS RL-41 for the installation of the A9 Substation Fence in the 100K Area. A recent review identified that the current fencing was not adequate to meet requirements and that in order for MSA to be in compliance, new fencing is required to be installed in this location at the A9 Substation. Management reserve was used to offset the addition of scope. This change increased the PMB by \$73K.
BCR-PRC-15-025R0	<i>Definitization of CO #259, WESF Stabilization & Ventilation Project</i>	This BCR modifies the PMB to align with the definitization of CO number 259, WESF Stabilization and Ventilation Project Design Finalization & Construction Preparations, as documented by CM 392. A commensurate scope value within WBS 040.02.31.01 – U Plant IA-Main, is removed from the PMB and transferred to CLIN 7 to offset the definitized value of this change order. This change decreased the PMB by \$1,500K.
BCR-PRC-15-026R0	<i>Schedule Health Adjustments March 2015</i>	This BCR incorporates scheduled health revisions for PBSs RL-011 and RL-030 into the PMB. This BCR did not change the PMB value.
BCR-PRC-15-027R0	<i>Definitization of CO #252 KE Boreholes Phase II</i>	This BCR modifies the PMB to align with the definitization of CO #252, Supplementary Characterization of UPR-100-K-1 and 116-KE-3 Waste Sites, Phase II, which is documented in CM 390. A commensurate scope value within PBS RL-040 is removed from the PMB and transferred to CLIN 7 to offset the definitized value of this change order. This change decreased the PMB by \$1,000K.
BCR-PRC-15-030R0	<i>Undistributed Budget Adjustments March 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 \$14,422K.

Overall, the contract Performance Measurement Baseline budget increased \$13,029K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-041-15-007R0	<i>A-9 Substation Fence Repair</i>	2015 - 2018	-73K

The overall change to Management Reserve during March is -\$73K.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	2014 - 2018	N/A

There were no changes to Fee during March.

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):

March 2015 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
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
March 2015 Change									
PMB									
Change to PMB	0	0	7,563	15,245	18	-9,797	13,029	13,029	13,029
MR									
Change to MR	0	0	-73	0	0	0	-73	-73	-73
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	7,490	15,245	18	-9,797	12,956	12,956	12,956
March 2015 Estimate									
PMB	3,391,477	391,653	452,960	458,474	376,381	344,975	2,024,442	5,415,919	5,415,919
MR	0	0	6,212	21,000	20,506	30,649	78,367	78,367	78,367
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
Total	3,546,981	405,978	472,672	499,274	405,687	392,197	2,175,808	5,722,788	5,722,788

Changes to/Utilization of Management Reserve in March 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
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
March 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	-73	0	0	0	-73	-73
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	-73	0	0	0	-73	-73
March 2015 MR Totals								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	6,211	21,000	20,506	30,650	78,367	78,367

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 -3/31/2015				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
				Contract-to-date awards:	\$2,200,963,794
				Bal remaining to award:	\$205,886,766
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,121,889,140	50.97%	49.3%	\$1,186,577,326	\$64,688,186
SDB	\$192,981,379	8.77%	8.2%	\$197,361,746	\$4,380,367
SWOB	\$219,473,939	9.97%	7.5%	\$180,513,792	-\$38,960,147
HUB	\$39,111,779	1.78%	2.2%	\$52,950,712	\$13,838,933
VOSB	\$133,546,550	6.07%	3.5%	\$84,239,770	-\$49,306,780
SDVO	\$67,151,870	3.05%	1.3%	\$31,289,057	-\$35,862,813
NAB	\$31,734,333	1.44%	N/A		
Large	\$589,977,183	26.81%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,202,113	0.10%	N/A		
GOVT CONT	\$482,866,522	21.94%	N/A		
EDUCATION	\$97,313	0.00%	N/A	Total Contract (mod 393):	\$5,696,680,278
NONPROFIT_	\$3,618,094	0.16%	N/A	17% rqmt:	\$968,435,647
FOREIGN	\$313,428	0.01%	N/A	SB actual:	\$1,121,889,140
Total	\$2,200,963,794	100.00%	N/A	Bal to rqmt	-\$153,453,492

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.2 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

March 2015
CHPRC-2015-03, 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	560	18,781 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	3	176 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	85 m ³	1,584 m ³
LLW/MLLW Shipped	39 m ³	6,171 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.

- Continued working with RL regarding Safety Basis Rev. 12 and resolution of RCR comments
- Completed size reduction and seal out of 236-Z Pencil Tanks 8/9 (3 units) and WS-1/WS-2 (3 units)
- Shipped Pencil Tank 121 (3 units)
- Completed removal of the RADTU tank and man lift from the 236-Z South Canyon Airlock
- Continued size reduction and removal of WT-2 Glovebox in the 242-Z Control Room
- Initiated size reduction of WT-1 Glovebox in the 242-Z Control Room
- Removed 560 feet of asbestos
- Removed 378 feet of E4 ducting from 234-5Z Duct Level

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	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	5	55	<ul style="list-style-type: none"> • 3/3/15 – Employee slipped injuring right elbow and finger. She was taken to HPMC for evaluation and treatment and was released to return to work without restriction. (23604) • 3/11/15 – Employee bumped his head causing discomfort in his neck. Employee went to HPMC for examination and was diagnosed with neck sprain/strain. He returned to HPMC the next day for follow-up and was released to return to work without restriction. (23610) • 3/11/15 – Employee cut right thumb on QA tag. He was taken to HPMC examined and returned to work with a restriction to protect the wound from radiological contamination potential. (23611) • 3/12/15 – Employee reported smelling odor. IH monitored air space and found no issues. Employee reported irritated eyes and was taken to HPMC and diagnosed with eye and nose exposure to potentially hazardous chemical. Returned to work with no restriction. (23613) • 3/19/15 – Employee reported bite on neck and was taken to HPMC. He was diagnosed with cellulitis and an abscess. Non-prescription medication was given and he was returned to work with no restrictions. (23620)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant Plutonium Finishing Plant (PFP)

- Continued working with DOE-RL regarding Safety Basis Revision 12 and resolution of RCR comments

11.05 Disposition PFP Facility

242-Z

- Continued size reduction and removal of WT-2 Glovebox in the 242-Z Control Room
- Initiated size reduction of WT-1 Glovebox in the 242-Z Control Room

234-5Z

- RMC Line
 - o Completed placing HC-18M in a condition for temporary storage until an egress path is available
 - o Began configuring 234-5Z for In-situ Size Reduction starting on glovebox HC-9B in the RMC Production Line
- Duct Level
 - o Removed 560 feet of asbestos
 - o Removed 378 feet of E4 Ducting in the Duct Level

236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
 - Completed size reduction and seal out of 236-Z Pencil Tanks 8/9 (3 units) and WS-1/WS-2 (three units)
 - Shipped Pencil Tank 121 (three units)
- Canyon Clean-out
 - Completed removal of the RADTU tank and man lift from the 236-Z South Canyon Airlock

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, DSA and TSR comment resolutions to RL for concurrence, and is finalizing incorporation of comments. Submittal and approval of the DSA is expected the end of April 2015.

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

Corrective Action – Three independent NDA systems have been procured, calibrated, verified, validated and are being deployed in the field to assist in safeguards and other NDA measurements.

- One Ortec Germanium Counter which is an electrically cooled hand-held measurement tool
- The second and third are Canberra Germanium Counters that are electronically cooled

Status – The three units have been calibrated and have been approved for use by safeguards. The new equipment has been deployed for field use and will be used to augment in-situ and waste container characterization.

Issue – Tight fitting 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 UniTech post December 15, 2014.

Status – A team of PFP employees has inspected respirators, post-processing at UniTech. 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 were inspected on March 11, 2015.

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

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

Status – PFP is currently working with Maintenance and Waste Integration to establish mass balance calculations. Expected to be completed no later than September 30, 2015.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

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

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-011/WBS-011																		
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
PFP-091: Approval of DSA Revisions	The concept outlined in the revisions of the DSA/TSR to achieve PFP Slab on grade are not approved by DOE, or additional controls are prescribed as part of the SER process resulting in schedule delays. Risk Handling Strategy: Avoid Probability: Low (10% to 25%) Worst Case Impacts: \$0, 170 days *Cost increase will result in cost per day impacts from crews, and hotel load.	↑		Risk Event: Comment resolution took longer than expected related to what type of equipment was to be used to extract gloveboxes during the demolition prep phase. Risk recovery action(s) <table border="1"> <thead> <tr> <th></th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Complete final comment resolution from DOE-RL.</td> <td>01/05/15</td> <td>04/23/15</td> <td>95</td> </tr> </tbody> </table> Recovery Action Assessment: Final comment resolution is slated to complete in late-April. This impact does not result in any schedule and cost impacts. No alternative course of actions needed at this time.		Risk Date	FC Date	%	Complete final comment resolution from DOE-RL.	01/05/15	04/23/15	95						
	Risk Date	FC Date	%															
Complete final comment resolution from DOE-RL.	01/05/15	04/23/15	95															
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	The regulatory interpretation of less than 1 kg of material within the PFP complex will lead to removal of significantly more material than necessary to maintain compliant radioactive emissions during the demolition phase, resulting in schedule delays, and cost impacts. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$4M, 80 days	↔		Risk Event: Presented CHPRC "white paper" to DOE-RL, providing our legal and contractual position that there is no requirement that the amount of residual contamination contained within the slabs and below grade surfaces be <1 kg. RL continues to maintain a position that they believe there is.														
				<table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Manage in real time between PFP, Environmental, Contracts, and Legal</td> <td rowspan="3">03/02/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop a white paper for DOE-RL (Environmental has the lead) for concurrence</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Submit a change in condition</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> Recovery Action Assessment: Initiated development of a ROM estimate to physically remove the slabs, at RL request. Awaiting formal direction from RL regarding path forward.	Risk recovery action(s)	Risk Date	FC Date	%	Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100	Develop a white paper for DOE-RL (Environmental has the lead) for concurrence	Complete	100	Submit a change in condition	On-Going	N/A
Risk recovery action(s)	Risk Date	FC Date	%															
Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100															
Develop a white paper for DOE-RL (Environmental has the lead) for concurrence		Complete	100															
Submit a change in condition		On-Going	N/A															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-011/WBS-011																		
PFP-GB-11: Premier System/Suit Training Identified D&D field teams are not fully trained/qualified to operate Premire system or wear Premire suits resulting in schedule delays. Risk Handling Strategy: Accept Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 44 days *Cost increase will result in cost per day impacts from crews, and hotel load.				Risk Event: In the month of January risk was realized when concerns related to the Fire hawk respiratory masks were identified resulting in management stop work.														
				<table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Issues/Lift stop work associated with all UNITEC masks</td> <td rowspan="3">01/21/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop lessons learned</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Perform UNITEC QC spot checks to ensure masks are field ready.</td> <td>5/28/15</td> <td>0</td> </tr> <tr> <td>Establish secondary contract in the event additional issues are encountered.</td> <td></td> <td>05/28/15</td> <td>0</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Issues/Lift stop work associated with all UNITEC masks	01/21/15	Complete	100	Develop lessons learned	Complete	100	Perform UNITEC QC spot checks to ensure masks are field ready.	5/28/15	0
Risk recovery action(s)	Risk Date	FC Date	%															
Issues/Lift stop work associated with all UNITEC masks	01/21/15	Complete	100															
Develop lessons learned		Complete	100															
Perform UNITEC QC spot checks to ensure masks are field ready.		5/28/15	0															
Establish secondary contract in the event additional issues are encountered.		05/28/15	0															
Recovery Action Assessment: Issues related to the masks laundered by UniTech impacted the 234-5Z KPP glovebox teams ability to train due to the concerns related to the masks. Once concerns were resolved, priority was focused on 242-Z, and training will commence in the month of April for 234-5Z KPP glovebox teams. Alternative course of actions include establishing a secondary contract with a mask supplier in the event additional issues are encountered.																		
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																		
PFP-092: Increased Characterization Source term uncertainties increase the need for characterization above what is planned for cost and schedule resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 45 days				Risk Trigger: Will continue throughout project lifecycle until Demolition activities commence.														
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify characterization coordinator to perform field characterization/sampling.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).</td> <td>05/15/15</td> <td>30</td> </tr> <tr> <td>Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.</td> <td>08/06/15</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Identify characterization coordinator to perform field characterization/sampling.	Complete	100	Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	05/15/15	30	Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0		
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Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	05/15/15	30																
Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0																
Mitigation Assessment: No slides to the forecasted mitigation dates. No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.																		
FY 2015 Risk Triggers (Risk could be realized in FY 2015)																		
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo Air Dispersion identified additional MAR reduction higher than planned or DOE directs constrains from Rev.12 SER resulting in additional decontamination/fixatives and equipment removal prior to initiating open-air demolition resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 120 days *Cost increase will result in cost per day impacts from crews, and hotel load.				Risk Trigger Metric: 07/06/2015														
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with the CHPRC environmental to communicate bounding assumptions for air modeling.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Work with regulators to identify controls to allow for equipment removal and demolition as planned.</td> <td>07/15/15</td> <td>0</td> </tr> <tr> <td>Develop and implement plans to document criterion are met.</td> <td>08/30/15</td> <td>0</td> </tr> <tr> <td>Deploy teams from non-critical path work scope to reduce schedule impacts.</td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100	Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100	Work with regulators to identify controls to allow for equipment removal and demolition as planned.	07/15/15	0	Develop and implement plans to document criterion are met.	08/30/15
Mitigation action(s)	FC Date	%																
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Develop and implement plans to document criterion are met.	08/30/15	0																
Deploy teams from non-critical path work scope to reduce schedule impacts.	09/30/15	0																
Mitigation Assessment: Additional MAR removal may be required based on PNNL Air Dispersion model. This would impact cost, and result in prioritization of MAR removal activities. No alternative course of actions needed at this time.																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-011/WBS-011						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)						
PFP-291-01 - 291-Z Characterization Unknowns	Characterization data will uncover higher levels of contamination than expected in the stack and 291-Z plenum to support demolition resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1M, 88 days	●	↔	Risk Trigger: 07/09/15		
				Mitigation action(s)	FC Date	%
				Identify characterization team to obtain characterization data for 291-Z	01/07/16	0
				In the event additional cleanout is required - Work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0
				Mitigation Assessment: No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored to obtain characterization data early in the project. No alternative course of actions needed at this time.		
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)						
PFP-PRF-22: OPP: NDA Process Allows for Section Results to be used	Improved NDA process allows for disposition of gallery gloveboxes into waste containers by using section data rather than summation of entire glovebox resulting in schedule efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$0, 60 days *Cost savings will result in cost per day from crews, and hotel load.	●	↔	Risk Trigger: 10/05/2015		
				Mitigation action(s)	FC Date	%
				Identify activities necessary to implement in the FES	Complete	100
				Complete FES activities (last FES activity PRF-GGB-0157)	01/4/16	0
				Mitigation Assessment: No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored throughout the Gallery Glovebox subproject lifecycle. No alternative course of actions needed at this time.		
Unassigned Risks (Pending ownership of identified risks/opportunities)						
No unassigned risks identified for RL-011 in the month of March.						

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	8.8	9.2	8.7	0.4	4.8%	0.5	5.8%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (\$0.4M/4.8%)

The current month favorable schedule variance is within reporting thresholds.

CM Cost Variance: (\$0.5M/5.8%)

The current month favorable cost variance is primarily the result of the productivity of the field work team completing Pencil Tank size reduction with less effort than was originally estimated, as well as less required system engineering support for maintenance of vital safety systems, and reduction of maintenance activities required to be performed on these systems as the project nears the mission goal of slab on grade.

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	782.2	751.0	788.4	(31.2)	-4.0%	(37.4)	-5.0%	938.7	958.1	(19.4)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Variance (-\$31.2M/-4.0%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$37.4M/-5.0%)

The Cost Variance is within reporting thresholds.

Variance at Completion (-\$19.4M/-2.1%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.4	119.8	8.5

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 changed in March from \$118.0 million to \$128.4 million per revised guidance from RL. The increase of \$11.6 million is in support of meeting the FY2016 Slab on grade commitment.

Critical Path Schedule

The 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-15-029R0 - *HPIC Updates March 2015*

BCR-PRC-15-026R0 - *Schedule Health Adjustments March 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-I & 291-Z Facilities	09/30/15		6/28/16	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		8/4/16	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)



K. A. Wooley
Acting Vice President for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2015
CHPRC-2015-03, 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.
- The three Conditions of Approval associated with RL's approval of the Preliminary Documented Safety Analysis (PDSA) on February 5, 2015, continue to be discussed with RL staff and management with resolution expected to be agreed upon in April
- The ECRTS Project continues to process additional procurement packages and has them in the formal acquisition process. Progress continued with the nine fabrication contracts that were awarded to date (one new contract awarded in the month).
- Continued testing activities at the Maintenance and Storage Facility (MASF) and preparations for cold commissioning
- Continued Operator training and familiarization with ECRTS components at MASF along with fabrication on support tools and equipment
- Annex Construction continued to make progress with heating/ventilation/air conditioning (HVAC) installations, electrical installations, mechanical installations and instrument air installations
- In-Basin Construction fieldwork continued with completing electrical equipment installations and NEC inspections, work package development for removing the Density Tower and completing installation for Door 148 temporary enclosure

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%
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TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	2	24	<ul style="list-style-type: none"> Employee's shoelace became untied and hooked in the eyelet of the other shoe, causing employee to fall. Body part affected: Knee. (23617) Employee received an insect bite to the wrist. Body part affected: Wrist. (23625)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Engineered Container Retrieval and Transfer System (ECRTS) Process Equipment Procurement awarded fabrication contract for Procurement Sets number 5 (Safety Significant Retrieval and Transfer System Components)
- In-Basin Construction completed electrical modifications and passed National Electrical Code (NEC) inspection
- Annex Construction completed installation of HVAC components in the HEPA room, beam detector and reflector in the Intermediate Bay, compressed air installation in the Mechanical Equipment room and installation of Emergency Lights in intermediate bay
- Completed fabrication of sample tube crimping/cutting and long pole support tools for use with 105KW Basin engineered container sample tube removal
- Completed fabrication and assembly of the mixing valve stand to emulate the "layering" aspect of the ECRTS process
- 100K Operations replaced P-6 Skimmer Pump motor and worked to trouble-shoot vibration issue. Received four Ion Exchange Modules (IXMs) that were inspected and accepted.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-012/WBS-012																		
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
STP-ANX-020: Contractor/Subcontractor Performance	The general contractor and their supporting subcontractors may be challenged by compliance with project requirements, maintenance of key staff, and schedule execution within the project requirements and their Firm Fix Price Contract Commitments. Risk Handling Strategy: Control Probability: Medium (26 % to 74%) Worst Case Impacts: \$10 million, 240 days		Risk Event: Abli Clad repairs and associated impacts on mechanical and electrical contractor delays, and recent delays by the General Contractor with the closeout of various NRC conditions (e.g., various bolt-related issues/conditions) and material and procurement delays have impacted the critical path schedule. Material procurement delays have impacted the fire piping installation, ductwork installation, and impacted critical path electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room.	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width: 70%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 10%;">%</th> </tr> </thead> <tbody> <tr> <td>Request Contractor Status Report</td> <td rowspan="3" style="text-align: center;">05/08/12</td> <td style="text-align: center;">04/22/15</td> <td style="text-align: center;">25</td> </tr> <tr> <td>Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Develop Correction Action Plans</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Request Contractor Status Report	05/08/12	04/22/15	25	Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)	On-Going	N/A	Develop Correction Action Plans	On-Going	N/A
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Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)		On-Going	N/A															
Develop Correction Action Plans		On-Going	N/A															
STP-ANX-024: K-Annex Engineering During Construction Scope	Improper, imprecise or missing design details identified during construction require rework of design media and physical construction components to maintain compliance. In addition, changes or clarifications to site requirements, procedures and processes that effect construction are outside of the project purview but are eminent. Risk Handling Strategy: Control Probability: Likely (75% to 90%) Worst Case Impacts: \$9M, 270 days		Risk Event: Design change affected field activities since September 2012 with corrective action plans completed in February 2013. In addition, the ability to address improper, imprecise, or missing design details was negatively impacted by losing resources to WRPS. Risk recovery action(s)	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width: 70%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 10%;">%</th> </tr> </thead> <tbody> <tr> <td>Implement all feasible design and field engineering corrective actions</td> <td rowspan="3" style="text-align: center;">01/01/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Complete mechanical engineer requisition</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Determine DNCs phase implementation</td> <td style="text-align: center;">04/30/15</td> <td style="text-align: center;">50</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Implement all feasible design and field engineering corrective actions	01/01/15	Complete	100	Complete mechanical engineer requisition	Complete	100	Determine DNCs phase implementation	04/30/15	50
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Complete mechanical engineer requisition		Complete	100															
Determine DNCs phase implementation		04/30/15	50															
Recovery Action Assessment: CAP's and other historical corrective actions have not been effective. Therefore, the CHPRC project team continues to press on resolution of the various emergent issues in the weekly forums that are already scheduled (i.e., QA, Engineering, POD/POW, FEC Interface Meeting, and Management Forums). Albi clad is 95 percent complete in the field. Fire seals at the intermediate bay continue to hold up the change room installation. Electrical/Mechanical material procurement of SS components that caused the majority of the delays is 95% complete. Fire Piping installation recovery complete. CHPRC also working contract close out and cost price staff and auditors are engaged in the closeout preparation process. Contract status request pending to subcontractor. Expect to issue formally NTL 4-20-15.																		
Recovery Action Assessment: 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.																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-012/WBS-012																					
STP-ANX-023: Contract Close-Out	<p>During the administration of any contracts, the likelihood of an adversarial relationship developing between the customer and their suppliers, vendors and subcontractors is very high and typically results in unresolved changes/claims that are set aside and addressed at the end of the project.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Likely (75% to 90%) Worst Case Impacts: \$6M, 800 days</p>	↑		<p>Risk Event: Change orders to limit eventual claims at the end of the job.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Issued Subcontractor Status Request Matrix</td> <td rowspan="4">02/01/15</td> <td>04/22/15</td> <td>10</td> </tr> <tr> <td>Develop estimate on the "To Go Costs"</td> <td>04/27/15</td> <td>10</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>04/30/15</td> <td>25</td> </tr> <tr> <td>Incurred Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td>04/30/15</td> <td>25</td> </tr> </tbody> </table> <p>Recovery Action Assessment: CHPRC has initiated contract closeout actions. Internal cost price staff engaged, audit plan developed and FAR compliant auditors will be scheduling review meetings with the general contractor. Request for Contract status and closeout plan will be issued to general contractor NTL 4-20-15.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Issued Subcontractor Status Request Matrix	02/01/15	04/22/15	10	Develop estimate on the "To Go Costs"	04/27/15	10	Document changes into Phase I or Phase II completion buckets	04/30/15	25	Incurred Costs have been submitted by Contractor – CHPRC is reviewing.	04/30/15	25
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STP-ANX-027: Site or Related Construction Events	<p>Impacts due to site or related construction events (i.e., crane, electrical, spills or other related accident that may impact construction but not directly related to the project and/or project related events and safety stand-downs due to dropped tools, OH hazards, picking and lifting, injury, trend or behavior that may imply and stand down is warranted).</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Low (10% to 25%) Worst Case Impacts: \$2M, 66 days</p>	↔		<p>Risk Event:</p> <table border="1"> <thead> <tr> <th>Recent examples with the associated delays included the exposure of unknown ground wire during asphalt removal and subsequent stop work. Impact 1 week. On 4-14-15 notification made by central safety regarding negative exposure during welding. As a result, all welding stopped on the K-Annex. New requirement, FF respirator required until further notice. Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Events are emergent and addresses as they emerge (i.e. corrective actions)</td> <td>On-Going</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Event are emergent and address as they emerge. Risk is accepted and will be monitored throughout the lifecycle of the project.</p>	Recent examples with the associated delays included the exposure of unknown ground wire during asphalt removal and subsequent stop work. Impact 1 week. On 4-14-15 notification made by central safety regarding negative exposure during welding. As a result, all welding stopped on the K-Annex. New requirement, FF respirator required until further notice. Risk recovery action(s)	Risk Date	FC Date	%	Events are emergent and addresses as they emerge (i.e. corrective actions)	On-Going	On-Going	N/A									
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STP-067A: Safety Classification of SSCs	<p>The final design for the Engineered Container Retrieval and Transfer systems, including the Sludge Transport and Storage Containers (STSCs) and the Sludge Transportation System (STS), identify SSCs that are classified as General Service or Safety Significant. A possibility exists that DOE will direct CHPRC to classify ECRTS SSCs at a higher safety classification.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Low (10% to 25%) Worst Case Impacts: \$1.5M, 120 days</p>	↓		<p>Risk Event:</p> <table border="1"> <thead> <tr> <th>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. Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="4">02/05/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Execute the agreed upon work scope to update the ECRTS Design and PDSA.</td> <td>09/30/15</td> <td>1</td> </tr> <tr> <td>Resubmit the updated PDSA to DOE RL for approval.</td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: CHPRC and DOE RL Senior Management met and agreed upon a path forward. Recovery actions listed above are consistent with meeting results from April 6, 2015.</p>	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. Risk recovery action(s)	Risk Date	FC Date	%	Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRTS Design and PDSA.	09/30/15	1	Resubmit the updated PDSA to DOE RL for approval.	09/30/15	0
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Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
RL-012/WBS-012																			
STP-086: Sludge Storage Constructability Issues at T-Plant	<p>Cell modifications for sludge storage at T-Plant are significantly more difficult than planned and required additional engineering and facility modifications or design change notices to address constructability issues or request for clarifications resulting in cost impacts, and schedule delays.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Medium (26% to 74%) Worst Case Impacts: \$390K, 64 days</p>	↑		<p>Risk Event: The risk is being realized now that CHPRC has a construction organization (PTS) that is conducting constructability reviews of the FMP's. The original assumption was a cost plus contract, and the new approach is a firm-fixed price contract required constructability reviews of the FMP's. The impacts associated with this are the additional cost and resources associated with correcting design errors and providing constructability aids, conducting material take offs, resulting in a lower cost underrun for performing the original design. No schedule impacts are currently being realized.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Incorporate PTS Comments on Construction Spec.</td> <td rowspan="2">03/03/15</td> <td>04/30/15</td> <td>40</td> </tr> <tr> <td>Complete PTS Construction Review w/Drawings and Specifications</td> <td>05/25/15</td> <td>0</td> </tr> <tr> <td>Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW</td> <td></td> <td>07/07/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: No slides to the forecasted mitigation dates. No additional foreseeable impacts then those noted above in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions are needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	04/30/15	40	Complete PTS Construction Review w/Drawings and Specifications	05/25/15	0	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		07/07/15	0
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STP-073-A: OPP: Process Less Than 24 STSC's	<p>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.</p> <p>Risk Handling Strategy: Exploit</p> <p>Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 80 days</p>	↑		<p>Opportunity Event: Opportunity realized</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Solicit RL support to layer sludge from more than one sludge type to promote more efficient loading, thereby reducing the number of STSCs.</td> <td>Complete</td> <td>100</td> </tr> </tbody> </table> <p>Opportunity Assessment: No slides to the forecasted mitigation dates. 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. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Solicit RL support to layer sludge from more than one sludge type to promote more efficient loading, thereby reducing the number of STSCs.	Complete	100									
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Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																			
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																			
STP-072: Delayed STSC/ECRTS Procurement & Delivery	<p>Material delivery and fabrication issues at ECRTS vendor facilities delay the delivery of components to the Sludge Treatment Project, resulting in cost impacts, and schedule delays.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 120 days</p>	●	↔	<p>Risk Trigger: During ECRTS Process System Procurement forecast between October 1, 2014, and December 31, 2015. STSC Vessel Procurement will continue through FY2018.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Identify qualified vendors/fabricators prior to establishing contracts.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Conduct frequent fabricator on-site inspections, place CHPRC ECRTS Project Staff (Engineering, Quality Control, BTRs, Procurement, & Project Controls) at the vendor facilities</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Promptly address fabrication challenges so consequences are minimized.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: No slides to the forecasted mitigation dates. Continue to work closely with fabrication vendors (ABW Technologies Inc., Columbia Energy and Environmental Services, HiLine Engineering and Fabrication Services, and NuVision Corporation). SSC fabrication risks have been effectively managed. Weekly interface meetings are held to ensure that fabrication challenges are discussed and appropriately resolved. No foreseeable impacts in the near future and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Identify qualified vendors/fabricators prior to establishing contracts.	Complete	100	Conduct frequent fabricator on-site inspections, place CHPRC ECRTS Project Staff (Engineering, Quality Control, BTRs, Procurement, & Project Controls) at the vendor facilities	On-Going	N/A	Promptly address fabrication challenges so consequences are minimized.	On-Going	N/A			
Mitigation action(s)	FC Date	%																	
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Promptly address fabrication challenges so consequences are minimized.	On-Going	N/A																	

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-012/WBS-012						
FY 2016 Risk Triggers (Risk could be realized in FY 2016)						
STP-111-A: Annex ECRTS Installation Contractor/ Subcontractor Performance	The general contractor and their supporting subcontractors installing ECRTS equipment in Annex in support of the project may be challenged by compliance with project requirements, maintenance of key staff and schedule execution within the project requirements and their Firm Fix Unit Rate Contract Commitments. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1M, 90 days	●	↔	Risk Trigger: October 01, 2015		
				Mitigation action(s)	FC Date	%
				Develop blanket master contract, and commence initial subcontractor evaluation.	Complete	100
				Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.	09/30/17	0
				Re-train construction personnel on procedures for performing construction activities.	10/31/16	0
				Interface between existing organizations to closely coordinated, planned, and monitor field activities.	8/30/17	0
Provide extensive oversight on subcontractors work scope	On-Going	N/A				
				Mitigation Assessment: No slides to the forecasted mitigation dates. 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 has been completed. Implementation plans are required for all 3 subcontractors. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.		
FY 2018 Risk Triggers (Risk could be realized in FY 2018)						
STP-018: STP Operational Upset or Spill	An operational upset or spill results in a work shutdown at K Basins. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$6M, 90 days	●	↔	Risk Trigger: Will commence in FY2018 and continue throughout project lifecycle until sludge is removed from 105KW Basin.		
				Mitigation action(s)	FC Date	%
				Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.	06/30/17	5
				Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	06/28/18	0
				Utilize overtime as needed, or if required, to respond to events	On-Going	N/A
				Mitigation Assessment: Forecasted mitigation dates have moved out consistent with overall STP critical path schedule. ECRTS Familiarization training for the NCOs at MASF has started and will continue through December 2015. Training and procedure development is underway as well. OTJ for the operators on MASF equipment will start in FY2017. No foreseeable impacts in the near future and no alternative course of actions needed at this time.		
STP-073: Processing Efficiency - Retrieval & Shipping	The realized processing efficiency associated with sludge retrieval and shipping operations does not match baseline plan. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$5M, 120 days	●	↔	Risk Trigger: Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)		
				Mitigation action(s)	FC Date	%
				Review lessons learned from NLOP sludge retrieval.	Complete	100
				Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.	Complete	100
				Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.	Complete	100
				Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.	09/30/16	50
Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20				
				Mitigation Assessment: No slides to the forecasted mitigation dates. Operations personnel had training on the process system equipment and will continue to participate in training activities through production system installation at 100K. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-012/WBS-012						
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)						
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Problems with aging building systems/ components (e.g. ventilation systems, water distribution system, CAM's, instrument air system, fire alarm system, and electrical system, etc) result in inoperability or requires unscheduled maintenance/ outages, impacting planned operations or on-going surveillance and maintenance activities. Risk Handling Strategy: Control Probability: Very Likely (>90%) Worst Case Impacts: \$5M, 88 days	● ↔	↔	Risk Trigger: Will continue throughout project lifecycle until sludge is removed from 105KW Basin.		
				Mitigation action(s)	FC Date	%
				Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A
			Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going N/A		
Mitigation Assessment: No slides to the forecasted mitigation dates. Operations continues to maintain the facilities in an operational status with no foreseeable impacts in the near future, and no alternative course of actions needed at this time.						
Unassigned Risks (Pending ownership of identified risks/opportunities)						
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.						
STP-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.	Requirements changes dictated by DOE, or regulators are outside CHPRC control. (E.g., PDSA R1; COA number 1/2/3).				
STP-011C: Out of Scope T-Plant Upgrades to Store Sludge	Central Plateau receiving facility cannot receive sludge as scheduled.	Requirements changes dictated by DOE, or regulators are outside CHPRC control				
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.	Stakeholder challenges are outside CHPRC control.				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.1	5.8	5.2	(0.3)	-4.6%	0.7	11.3%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (\$-0.3M/-4.6%)

Variance is within reporting thresholds.

CM Cost Performance (\$0.7M/11.3%)

The CM positive variance is the result of the 100K Program Management account under-running. This is as a result of efficiencies achieved by working with Decommissioning, Waste, Fuels, & Remediation Services (DWF&RS) Organization central groups to combine resources and reduce overall resource requirements. Additionally, the Containerized Sludge Testing element is under-run due to cut backs to

min safe in FY2014 and the work continues to be maintained by min safe level resources resulting in cost under-runs. In addition, for construction, In Basin Construction over-claimed performance in the period, resulting in a positive CV. This will be corrected in the next reporting period. Lastly, Annex CM and Support costs under-ran for the period due to continued implementation of efficiencies that have permitted a reduction in labor resources to less than planned.

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	472.0	475.4	484.8	3.4	0.7%	(9.4)	-2.0%	696.1	715.4	(19.3)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (\$3.4M/0.7%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$9.4M/-2.0%)

Variance is within reporting thresholds.

Variance at Completion (-\$19.3M/-2.8%)

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		Spend Variance
	Projected Funding	Spending Forecast	
RL-0012	85.7	80.5	5.3

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0012 changed in March to \$85.7 million per revised guidance from RL.

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 Sludge Transport and Storage Containers (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)



K. A. Wooley
Acting Vice President for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2015
CHPRC-2015-03, 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 a quarterly risk review and initiated an update of the project hazard analysis, Documented Safety Analysis (DSA), and Technical Safety Requirement (TSR) based on preliminary design. TRU Repackaging received additional work authorization from DOE-RL for a minimum of \$10.897 million of TRU/M Repack work scope in FY2015. 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 20 tankers – a total of 107K 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	1	23	<ul style="list-style-type: none"> Employee bent over to load paper in a printer and experienced low back pain. Body part affected: Low back. (23621)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Completed update of RL-0013 input of the IPL/Buy Back list and received authorization from DOE-RL for additional RL-0013 scope

13.02 Capsule Storage & Disposition

- Performed/Completed:
 - 365/180 Day
 - Lube/inspection of miscellaneous equipment
 - K3 differential pressure indicator/regulator/transducer calibrations
 - Quarterly/semi-annual calibration of pool cell weight factor alarm switches

- 60 day calibration of 225BG pH sensor/transmitter
- Review and acceptance of calibration data for Pool Cell number 11 gamma detector. Detector is returned to service
- Canyon entries in support of annual canyon crane structural/ mechanical/electrical preventive maintenance PM's (Project W-130 Support)
- 365-Day beta stack rad recorder calibration
- 26 PM work packages
- Monthly Technical Safety Requirements (TSR) and Environmental PM and surveillance requirements
- Supported Ground Water Sampling Group with WESF quarterly samples for Treated Effluent Disposal Facility (TEDF)
- **WESF Stabilization and Ventilation Project (W-130):**
 - Completed (60 percent) preliminary design. 90 percent final formal design review will begin April 16
 - Completed quarterly risk review
 - Completed draft of American Society of Mechanical Engineers (ASME) AG-1 compliance matrix
 - Initiated update of hazard analysis, Documented Safety Analysis (DSA), and Technical Safety Requirement (TSR) based on preliminary design
 - Completed assessment of design contractor for design verification and configuration control
 - Transmitted alternative request for fire protection of WESF K3N HEPA filter bank to DOE-RL for approval
 - Released procurement specification and approved Statement of Work (SOW) for long lead procurement of K3N heater
 - Received letter of incompleteness on permit modification and closure plan from Ecology. Working with Ecology to resolve issues for incorporation in draft permit
 - Participated in discussions with Department of Health (DOH) on air permit required for tie-in of new K3N to existing stack
 - Continued preventive maintenance activities on 15-ton WESF canyon crane
 - Continued Job Control System (JCS) work package preparations for upcoming facility preparation activities

13.03 Canister Storage Building (CSB)

- Performed/Completed:
 - Repaired north Rolling Gate GAL-001 hydraulic leak
 - Verified exhaust stack outlet temperature
 - Installed oil sampling piping on transformer
 - Annual heating, ventilation, and air conditioning (HVAC) electrical duct heater cleaning and inspection
 - Annual maintenance of tube vent and purge cart
 - Annual alpha Continuous Air Monitor (CAM) calibration
 - Quarterly shield door maintenance
 - Fire systems testing and inspection of fire water pump house 2902HV
 - 24 PM activities

13.06 TRU Repackaging

- Received final return shipment of repackaged waste from the December 2015 TRU Large Box shipment
- Received additional work authorization from DOE-RL for a minimum of \$10.897 million of TRU/M Repack work scope
- Completed annual inspection and gasket replacement for the Super 7A Type A container

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - Three-month exhaust fan 201B/202B inspection
 - Hanford Fire Department (HFD) completed repairs to the 2336W Outside Screw & Yoke (OS&Y) tamper dry riser that was transmitting intermittent trouble alarms (System Restriction 14-163)
 - Four-month air handling unit 203-AH-11-201A & 201B inspection
- Surveillances/PMs:
 - Ten TSR surveillances
 - 13 PM packages
 - 51 Radiological (Rad) surveillances
 - 37 Operational surveillances

13.08 T Plant

- Performed/Completed:
 - 291T Vent and Balance Stack Flow Testing
 - Universal Waste (UW) container shipment to Centralized Consolidation Recycling Center (CCRC)
 - 271T/221T air intake filter changes
 - Beryllium sampling in HS030 and HS032
 - Venting 10-gallon drum containing two propane cylinders
- Surveillances/PMs
 - 13 TSR surveillances
 - 232 Rad surveillances
 - 19 PM packages
 - 97 Operational surveillances

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

- Performed/Completed:
 - Supported Beryllium Program assessments of CWC Low Flashpoint Storage modules and South Alkali Metal Storage modules
 - Installed metal waste box barriers into Mixed Waste Trench (MWT) 31 around suspect waste boxes
 - Pre-emergent application in lower-level burial ground (LLBG) 12B/Trench 94 for tumbleweed control
 - CWC Operations and IH worked together with Soil & Ground Water (S&GRP) Sampling Operation to collect the crystalline powder material discovered on a hazardous waste drum in Low Flashpoint Mixed Waste Storage Module FS-03. White powder was determined to be sodium carbonate; the drum will be overpacked in the near future
 - Transferred the Super 7A base from trailer 5716 to the Terex trailer. This allowed trailer 5716 to be made available for Plutonium Finishing Plant (PFP) shipments to PFNW
 - HFD completed repairs to the 2401-W water motor alarm failure. This closed out system restriction SR-14-201
 - Continued floor repair work in 2403-WD (caulking repairs are 90 percent complete)
- Surveillances/PMs:
 - Six TSR surveillances
 - 11 PM packages
 - 168 Rad surveillances
 - 155 Operational surveillances

- Shipments Received:
 - Four solid waste boxes (SWB) and 17 drums from PermaFix Northwest (PFNW) to CWC (TRU Repack from large box)

13.11 Liquid Effluent Facilities (LEF)

Effluent Treatment Facilities (ETF)

- Supported Washington River Protection Services (WRPS) development of Heat Exchanger installation work packages
- Repaired Air Vacuum Relief Valve (AVRV) TL-6
- Continued pumping standing water from top of Basins 42, 43 and 44 covers back into basins
- Completed Quarterly Air Operating Permit Surveillance for Basin 44
- Commenced Bird Mitigation Plan for all three retention basins
- Repaired Pump Station number 1 pumps and returned to full service
- Performed Engineering, Quality Assurance and MSA AVS final on-site inspection of new Heat Exchanger
- Constructed new ground water well pad inside Basin fence line
- **Maintenance Completed:**
 - Motor lubrications for motors 60C, 20B and 60B
 - Annual Liquid Effluent Retention Facility (LERF) basin leak detector calibrations
 - Biennial vessel off gas temperature calibration
 - Vent and balance filter testing of 4-EXH Units 1 and 2
 - Annual inspection and sanitizing of cool misters
 - Annual Personnel Contamination Monitor (PCM)-1B calibration
 - Quarterly thin film dryer shaft rotation
 - Changed 2025ED load-in filters
- Shipped:
 - Seven waste containers
- Received 20 tankers:
 - 107K gallons (241K FY)
- Treated effluent to State-Approved Land Disposal Site:
 - 0.0 million gallons (0.0 million FY)
- Discharged to 200A TEDF:
 - 12 million gallons (92 million FY)
- Received ERDF Leachate:
 - 146K gallons (855K FY)

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

- Award of bid pending Washington Closure Hanford Record of Decision “Explanation of Significant Difference” approval by U.S. Environmental Protection Agency

Transition to WRPS:

- WRPS and CHPRC staff worked on finalization of transition checklists
- Conducted weekly transition status meetings with responsible parties from CHPRC and WRPS
- Hosted three tours of ETF for WRPS/DOE personnel (greater than 150 personnel toured 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:
 - 16 Rad surveillances
 - 110 Operational surveillances
 - Two TSR surveillance
- Shipments:
 - 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 manufacturer. Hanford Fire Department has enough parts available to support their operations for about two years. Many of the Solid Waste Operations Complex (SWOC) FACPs were designed with limited abilities. Most FACPs were configured with all the supervisory devices (e.g., temperature monitor, tamper devices, air pressure monitor) on a single zone. When a trouble signal is transmitted to the HFD, they cannot determine the cause until they perform an onsite investigation. When the HFD bypass RFAR trouble signals, all other trouble signals transmitted from the same FACP are ignored.

Corrective Action:

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

Status:

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). DOE-RL has provided additional authorization for \$10.897 million of TRU/M Repackaging which helps to address this issue.

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**

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

-  Increased Confidence
-  No Change
-  Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments			
		Month	Trend				
RL-013/WBS-013							
Explanation of major changes to the project monthly stoplight chart: Project monthly stoplight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".							
Realized Risks (Risks that are currently impacting project cost/schedule)							
WSD-125: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	A pause in waste processing results in an unexpected container degradation within SWOC (excluding TRU Retrieval activities) and require additional resources to respond. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 0 day		Risk Event: In November 2011 degraded containers were discovered in CWC.				
			Risk recovery action(s)		Risk Date	FC Date	%
			Perform daily/weekly waste container surveillances to identify container abnormalities.		10/01/11	On-Going	N/A
			Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.			On-Going	N/A
			Overpack degraded waste packages.			On-Going	N/A
Process waste packages at a rate funded by DOE.		On-Going	N/A				
Recovery Action Assessment: Project continued to perform daily/weekly container surveillances in the month of March to identify container abnormalities. No foreseeable impacts in the near future. However; a watch-list of suspect containers is being managed. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.							

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-013/WBS-013																		
WSD-W130-01: WESF Ventilation Upgrade Regulatory Strategy	The risk exists that the Environmental Regulators will not support the planned regulatory strategy and it will be necessary to develop a new strategy that is more difficult to implement. Risk Handling Strategy: Accept Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 80 days	↑		<p>Risk Event: A CERCLA non-time critical removal action was pursued as the preferred approach for the stabilization and ventilation project. Ecology did not accept this regulatory strategy and required a modification to the RCRA permit, which required more resources to prepare, more schedule time, and more cost. Additionally, hot cells B and C contain waste that requires approval of a land disposal requirement treatability variance (TV). Management estimate of impacts to date are \$200K for additional resources for permit writing and interfacing with Ecology and an additional six months of on-going work.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Obtain additional resources to write the RCRA permit modification and TV</td> <td rowspan="3">08/20/14</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Request Temporary Authorization to begin closure activities</td> <td>02/29/16</td> <td>0</td> </tr> <tr> <td>Conduct workshops with Ecology and DOE to obtain early agreement on permit language</td> <td>On-Going</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Risk recovery actions are on-going. CHPRC has developed a collaborative and cooperative relationship with Ecology on this issue. Follow-on risks are emerging in that Ecology issued a letter of incompleteness for the submitted permit modification March 25, 2015 and is requiring additional detail in the closure plan to address future complete closure of WESF. Final approval of the permit is not expected to complete prior to need date in April 2016. Temporary authorization to begin core drilling (first activity which will modify the dangerous waste management unit) will be requested in February 2016.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Obtain additional resources to write the RCRA permit modification and TV	08/20/14	Complete	100	Request Temporary Authorization to begin closure activities	02/29/16	0	Conduct workshops with Ecology and DOE to obtain early agreement on permit language	On-Going	0
Risk recovery action(s)	Risk Date	FC Date	%															
Obtain additional resources to write the RCRA permit modification and TV	08/20/14	Complete	100															
Request Temporary Authorization to begin closure activities		02/29/16	0															
Conduct workshops with Ecology and DOE to obtain early agreement on permit language		On-Going	0															
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																		
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$10M, 0 day	●	↔	<p>Risk Trigger Metric: Will continue throughout contract (09/30/2018).</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: No slides to the forecasted mitigation dates. No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A	Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A					
Mitigation action(s)	FC Date	%																
Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A																
Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A																
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																		
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																		
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$48M, 0 day	●	↔	<p>Risk Trigger: Will continue throughout project lifecycle (09/30/2018).</p> <table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Opportunity Assessment: No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A								
Opportunity action(s)	FC Date	%																
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A																

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
WSD-TR-01: DOE Provided Drivers Not Available	Scheduling issues prevent the government provided Drivers from being assigned/available to make off-site waste shipments.	This a government furnished service and is outside of CHPRC control.		
WSD-TR-02: DOE Shipper Does Not Authorize Shipment	Technical issues associated with compliance to DOE M 460.2-1 prevent DOE from approving/authorizing the off-site shipment.	This a government furnished service and is outside of CHPRC control.		
WSD-003A: CH-TRU Packaging	Two risks exist relative to CH-TRU waste packaging. The first risk is that WIPP changes the packaging requirements for CH-TRU. The second risk is associated with the lack of WIPP-certified packaging for those CH-TRU wastes that are unsuitable for the TRUPACT.	WIPP WAC is not under CHPRC control; TRUPACT is a GFSI		
WSD-009: EBR-II Cask Retrieval	DOE directs retrieval of EBR-II cask as part of TRU retrieval.	Availability of offsite storage/disposition for the casks as well as changes in the SAS requirements are outside of CHPRC control.		
WSD-016: Safeguards & Security Changes	The risk is that safeguards and security requirement changes result in increased protection of wastes managed by WSD.	Requirements changes dictated by DOE, or regulators are outside CHPRC control		
WSD-022: IDF Startup	The risk is that the IDF does not startup as scheduled or that the startup requirements are more stringent than planned in the baseline.	Change in planning assumptions are outside CHPRC control.		
WSD-023: ERDF Transition to CHPRC	The Environmental Restoration Disposal Facility (ERDF) transition does not proceed as planned.	The ERDF was not transferred to CHPRC as planned. When transferred, it is virtually certain that the baseline plan for full cost recovery will not be viable and that a change to the CHPRC will be required.		
WSD-026: Cs/Sr Capsule Design Uncertainties	The scope and design of the project to place Cs/Sr capsules into dry storage may change.	Change in planning assumptions are outside CHPRC control.		
WSD-033: WIPP Acceptance of Dose to Curie Calculations	TRU waste volume increases due to dose to curie requirements.	Planning based upon projected contaminant levels based upon historic records; pre-existing condition		
WSD-034: Safeguards Required for Caisson Waste	Wastes retrieved from 200 Area caissons are subject to material protection requirements (Safeguards & Security).	SAS requirements are outside CHPRC control.		
WSD-041: Stakeholder Involvement in Cs/Sr Capsules	Stakeholder involvement in the strategies to place Cs/Sr capsules into dry storage impact planned approach or schedule.	CHPRC cannot control stakeholder involvement or changes resulting from that involvement		
WSD-045: Waste Facilities RCRA Permit Changes	RCRA final status permit conditions are more stringent than the interim status permit requirements, resulting in increased operating costs or facility modifications.	Requirements changes dictated by DOE, or regulators are outside CHPRC control		
WSD-051: Standard Waste Box Availability	Standard Waste Boxes (SWB's) are not available to meet TRU waste packaging schedule.	This a government furnished service and is outside of CHPRC control.		
WSD-055: RH-TRU Packaging to <100 R/Hr	Selected RH-TRU waste cannot be packaged to meet the WIPP waste acceptance criteria of less than 100 R/Hr.	Pre-existing condition; major scope change		
WSD-058: Receipt of 618-10/618-11 RH-TRU from WCH	RH-TRU waste retrieved by WCH from 618-10 and 618-11 burial grounds is shipped to CHPRC in a form that is either non-certified or non-certifiable.	Direction from RL to receive non-certified waste would be a major scope change		
WSD-059: Uncertified or Uncertifiable CH-TRU from Generators	Uncertified or un-certifiable TRU waste is received from generators.	Direction from RL to receive non-certified waste would be a major scope change		
WSD-061: Spent Fuel in Alpha Caissons	Some alpha caisson waste is determined to be spent nuclear fuel rather than TRU waste.	Pre-existing condition		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-064: TRU Waste Shipments to WIPP	TRU shipments to WIPP do not occur as scheduled.	This a government furnished service and WIPP shipping schedules are outside of CHPRC control.		
WSD-067B: Alpha Caissons Regulatory Approvals - unassigned risk	Alpha caisson retrieval and processing is impacted by delayed or revised regulatory documentation and approvals.	CHPRC cannot control regulator turnaround times		
WSD-076: Classified TRU Waste Disposition	WIPP or alternate disposition path not available for classified TRU waste.	WIPP acceptance requirements are outside of CHPRC control; pre-existing condition		
WSD-080: More Restrictive DSA Requirements Imposed at WRAP	RL imposes more restrictive DSA requirements on WRAP.	Requirements changes are outside of CHPRC control		
WSD-083: TRU Retrieval Impacted by Non-CHPRC Issues	TRU retrieval is impacted by issues not controlled by CHPRC.	Requirements changes are outside of CHPRC control		
WSD-088: Accelerated Start of IDF to Support Low Activity Waste Disposal	The IDF will accept waste from both RL and ORP managed contractors. The current baseline plan for initiating disposal operations at the Integrated Disposal Facility (IDF) is FY2018. ORP schedule changes could, however, require the operational readiness to be accelerated to FY2016.	Accelerated schedule outside of CHPRC control		
WSD-090: IDF Startup Impacted by Modeling Prohibition	Modeling to support IDF disposal analyses cannot be performed due to delayed issuance of Final EIS ROD.	EIS ROD is outside of CHPRC control		
WSD-092: IDF Capacity Increase Required for Offsite Waste	Current TPA agreements have led to a prohibition of offsite waste acceptance until at least 2022. Long-term offsite waste acceptance strategies could impact the overall capacity requirements for IDF and result in the need to modify the IDF permit to reflect the other waste streams and planned capacity.	No offsite wastes accepted in IDF until at least 2022.		
WSD-096: WIPP Does Not Accept Overpacked Containers in SWBs	Compliant retrieved TRU waste 55 gallon drums over-packed into SWBs are rejected by CBFO as non-compliant waste packages.	WIPP acceptance requirements are outside of CHPRC control		
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.	Requirements changes are outside of CHPRC control.		
WSD-129: TRUPACT-III Not Available	Recently, the TRUPACT-III was certified by the NRC for use. However, the TRUPACT-III is still experiencing technical and fabrication difficulties. The TRUPACT-III was placed in service and made 1 shipment from SRS to WIPP. However, during fabrication, a drawing error led to a fabrication error. This has taken the TRUPACT-III out of service for a considerable time (3-6 months). This outage required SRS to size reduce and repackage waste from SLB-II into Standard Waste boxes. The probability is low that these types of problems will continue. The assumption is that these containers will remain a viable option for shipping waste from Hanford in 2017."	This a government furnished service and is outside of CHPRC control.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-130: Retrieval of Pockets of TRU Waste Results in Significant Volumes of Low-Level Waste	The pockets of TRU waste that was not segregated from MLLW when it was placed in the burial grounds will require removal of the intermingled MLLW in order to demonstrate that the targeted TRU Waste Containers has been retrieved. The baseline assumes retrieval of 69 containers from 8 trenches. This retrieval will result in an additional 6800 containers that would need to be handled. A query of the SWITS database indicates that there are about 6800 containers (approximately 1400 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.	Pre-existing condition.		
RCRA-033: RCRA Permit Alters Transfer and Treatment Processes for RSW	The implementation of the Final Status RCRA Permit and associated conditions may change the planned transfers, production throughput and production capabilities assumed within the contract for Retrievably Stored Waste (i.e., RSW and other waste in storage for extended periods accepted under previous waste acceptance programs). This may impact the ability to transfer waste to and within SWOC facilities and impact production rates associated with planned production or capabilities within the various facilities.	Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not in the PRC are outside of CHPRC control.		
RCRA-034: Verification of AK For Retrievably Stored Waste	The waste in storage and retrievably stored waste (RSW) will require verification under the RCRA Permit. The Acceptable Knowledge (AK) development process is considered insufficient by Ecology under the permit conditions. All RSW will require verification of absence of free liquids and debris determination. This change may require the waste to undergo nondestructive examination or physical verification/characterization.	Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.		
RCRA-036: Risk Budget Tool Implementation	The Final Status RCRA Permit contains permit condition that impose the Risk Budget Tool upon 3 facilities: the Low-Level Burial Grounds (LLBG) Trenches 31/34, LLBG Trench 94, and the Integrated Disposal Facility (IDF). This expands the current RCRA permit requirements of only applying the Risk Budget Tool to IDF. The Risk Budget Tool, is a concept that does not exist in regulation, and was coined when IDF was incorporated into the current permit to be a companion to the DOE Order 435.1 Performance Assessment process that would predict whether waste disposed in a landfill would be modeled to impact groundwater.	Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.		

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	8.5	9.0	6.7	0.5	5.6%	2.3	26.0%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (+\$0.5M/+5.6%)

The schedule variance is within threshold.

CM Cost Performance (+\$2.3M/+26.0%)

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	925.2	926.8	881.2	1.6	0.2%	45.6	4.9%	1,368.8	1,278.1	90.7

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$1.6M/+0.2%)

The schedule variance is within threshold.

CTD Cost Performance (+\$45.6M/+4.9%)

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

Variance at Completion (+\$90.7M/+6.6%)

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)

FY2015			
WBS 013/RL-0013 Waste and Fuels Management Project	Projected Funding	Spending Forecast	Spend Variance
RL-0013	101.5	89.9	11.5

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0013 changed in March from \$86.3 million to \$101.5 million due to the addition of \$11.5 million for TRU/M repackaging, \$1.0 million for RCRA Compliance, and \$1.4 million for RCRA TSD closure activities. The FY2015 Spending Forecast changed from \$80.5 million to \$89.9 million due to the increased scope listed above partially offset by reductions in projected staffing and the completion of some planned work scope shifting to 2016.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-15-005R0, *Repackaging of Small TRU Containers at PermaFix Northwest*
 BCR-013-15-006R0, *T Plant Modifications Delay ETF Offset*
 BCR-PRC-15-025R0, *Definitization CO #259, WESF Stabilization & Ventilation Project*
 BCR-PRC-15-030R0, *Undistributed Budget Adjustments – March 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	3/10/15	3/31/15	Completed 3/10/15
M-091-031	Submit revision of TRUM Waste and MLLW PMP to Ecology	6/30/15		6/30/15	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)



CH2MHILL
Plateau Remediation Company



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

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

March 2015
CHPRC-2015-03, 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 March 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	34.0	176.8	7.2	51.1	-	-	-	-	-	-
HX P&T	29.5	153.6	1.7	11.5	-	-	-	-	-	-
KR-4 P&T	15.3	84.0	0.3	2.4	-	-	-	-	-	-
KW P&T	14.6	84.2	2.3	15.2	-	-	-	-	-	-
KX P&T	34.6	192.5	2.6	15.7	-	-	-	-	-	-
200 West P&T	88.5	487.4	7.0	38.7	272	1,492	6,973	35,241	.13x10 ¹²	.71x10 ¹²
Combined	216.6	1,178.5	21.1	134.5	272	1,492	6,973	35,241	.13x10¹²	.71x10¹²

Well Drilling by Area	FY2015 Planned	March	FY2015 Cumulative
100-KR-4	5	1	5
100-HR-3	12	1	1
NRDWL/SWL	4	-	-
200-UP-1	5	-	1
200-ZP-1	7	1	2
M-24	19	-	5
300-FF-5	34	-	3
DVZ URG TT	6	-	-
Total Wells	92	3	17

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%	75%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	50%	
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%	40%
		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	60%	
	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	50%	75%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	100%	

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	4	27	<p>3/2/2015 – Employee reported right knee pain due to leaning against a concrete pad for an extended period of time. The employee was taken to HPMC for evaluation and referred to his private physician for follow-up care. (23618)</p> <p>3/11/2015 – Employee was attempting to lift a valve onto a cart when he strained the low back. Employee was taken to HPMC and released to return to work with a lifting restriction. (23609)</p> <p>3/24/2015 – After unloading the back of a truck, the employee lowered himself to sit on the tailgate, he sat on the wheel chock resulting in a contusion on his buttock. Employee was seen at HPMC and released to return to work without restriction. (23619)</p> <p>3/31/2015 – Employee was involved in a vehicle accident and sustained a low back injury. The employee was taken to HPMC and was released without restriction. (23631)</p>
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations

RL 30 Integration & Assessments

Risk Assessment and Modeling Integration

- Prepared draft slides for RL use in the upcoming semi-annual Low-Level Waste Disposal Facility Federal Review Group (LFRG) to present results of annual maintenance reports for the Low-Level Burial Ground Performance Assessment and the Composite Analysis
- Prepared briefing for Groundwater/Vadose Zone Executive Council meeting to present strategy for development of a Cumulative Impacts Evaluation including updating the Composite Analysis

River Corridor

100-KR-4 Operable Unit

- Initiated drilling of the characterization borehole 199-K-221 on March 19, 2015.
- Completed well drilling activities in 100-KR-4 for FY2015

100-HR-3 Operable Unit

- Initiated drilling of 12 new groundwater wells at 100-HR-3 on March 2, 2015. Completed construction and development of extraction well 199-D5-159 on March 17, 2015. Initiated the

drilling of well 199-H5-16 on March 16, 2015, well 699-97-60 on March 18, 2015, and well 199-H6-8 on March 31, 2015.

100-NR-2 Operable Unit

- Continued the comment resolution process with Ecology on the Draft A 100-NR-2 RI/FS, which has progressed through Chapter 7 of the RI and Chapter 8 of the FS. CHPRC hosted an FS workshop to discuss the existing remedial alternatives, as well as the preferred remedial alternative. The position papers for the PRB Design, Hot Spot Treatment, and the Pump-and-Treat Technology for FS are now being discussed.

100-FR-3 Operable Unit

- Transmitted the Draft A Remedial Design Report/Remedial Action Work Plan (RDR/RA WP) to RL on March 16, 2015 for transmittal to the EPA for review. This deliverable meets the requirement to submit the RDR/RA WP 180 days after completion of the Record of Decision.

300-FF-5 Operable Unit

- Resolved CHPRC and RL project manager comments on the 300 Area Remedy Implementation SAP. The decisional draft is being prepared for RL review.
- Received RL response to the Notice of Change letter on March 12, 2015, (15-AMRP-0106), which provided direction to proceed with field implementation of the 300 Area RDR/RAWP
- Provided Enhanced Attenuation Area Stage A Location Selection technical memo to RL and EPA on March 31, 2015

Central Plateau

200-SW-2 Operable Unit

- Transmitted the Draft B RI/RFI/FS/CMS Work Plan to RL on March, 26, 2015, for transmittal to Ecology for review. This deliverable meets TPA milestone M-015-113 due March 31, 2015.

200-IS-1 Operable Unit

- Received RL and Ecology agreement on March 19, 2015, to extend the TPA Milestone M-015-112 dispute resolution process to May 29, 2015 (CN M-15-13-02)

200-BP-5 Operable Unit

- Initiated road crossing construction activities for the 200-BP-5 pipeline to the 200 West P&T
- Submitted the Draft A Groundwater Sampling and Analysis Plan for the 200-BP-5 Groundwater Operable Unit to RL on March 18, 2015, for transmittal to the regulators for review

200-UP-1 Operable Unit

- Installed/anchored AVANTech IX uranium treatment train
- Completed welding of the dual-wall HDPE pipeline for the uranium injection system
- Completed and released the Rev 1 Sampling and Analysis Plan for Remediation Wells in the 200-UP-1 Operable Unit
- Completed CHPRC/RL review of the I-129 hydraulic containment system 90 percent design
- Briefed RL, RL SAP Panel, and EPA on DQOs and sample design for the 200-UP-1 Performance Monitoring Plan on March 18, 2015

200 West P&T

- Achieved an average pumping rate of approximately 1,927 gpm for March
- 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 800 gpm, which exceeds the original facility design capacity of 600 gpm

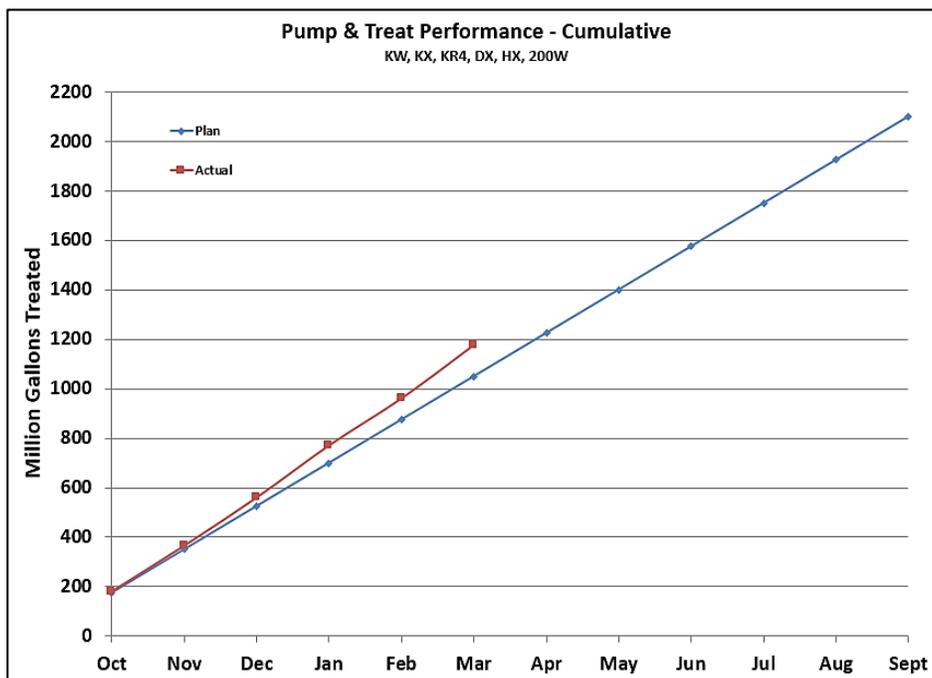
- Continued to operate the KR-4 P&T above 340 gpm, which exceeds original design capacity of 300 gpm. The third 30 day operation period above 330 gpm was completed March 8, 2015.
- Continued to operate the DX P&T above 700 gpm, which exceeds the original design capacity of 600 gpm. The second 30 day operation period above 700 gpm was completed March 10, 2015.

200-DV-1 Operable Unit

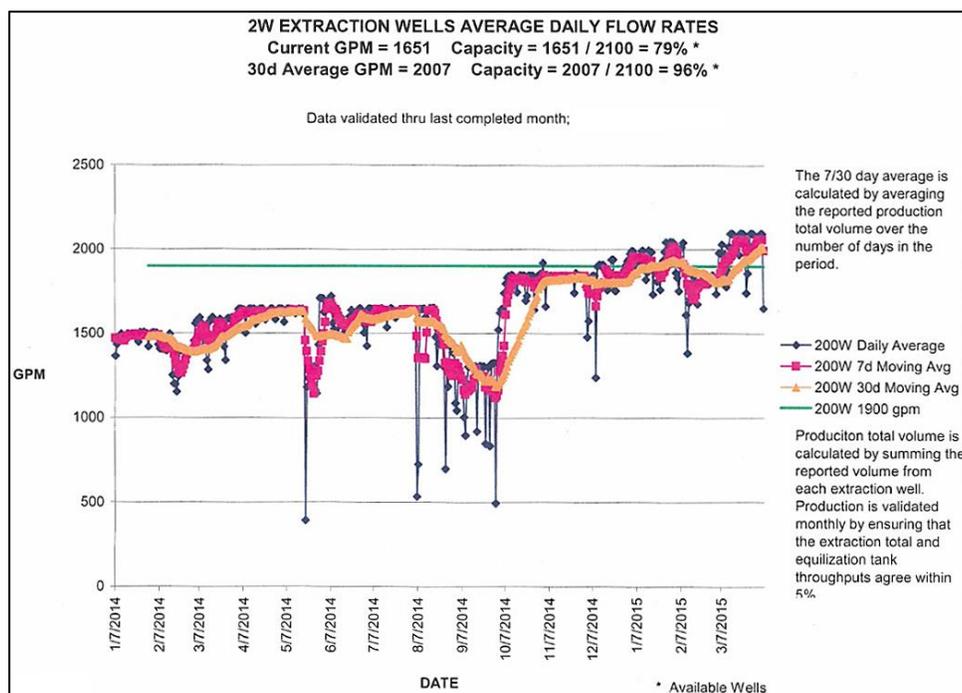
- Transmitted the Draft A RI/RFI/FS/CMS Work Plan to RL on March 18, 2105, for transmittal to Ecology for review. This deliverable meets TPA milestone M-015-110A due March 31, 2015.
- The B Area perched water extraction system removed 6,657 gallons in March to bring the total volume of perched water removed to 269,691 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of March:

Contaminant	March	Cumulative (since startup)
Tc-99	0.52 E-04 pCi	32.25 E-03 pCi
Uranium	2.84 kg	57.8 kg
Nitrates	8.98 kg	522.0 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 aptite 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 cultural review process for the M-24 wells began on August 5, 2014, and the draft CRR was provided to RL for review on December 1, 2014. The draft CRR was revised several times by RL comments including having a finding of adverse effect. The revised CRR was sent to RL on January 13, 2015, for transmittal, which began the 30-day review on February 4, 2015. The CRR completed the 30-day review on March 6, 2015, and the final report was completed on March 30, 2015, which includes an adverse effect determination. A draft Memorandum of Agreement (MOA) was provided to the consulting parties on March 18, 2015. The schedule for completion of this MOA is uncertain at this time. The cultural review process for the D&D of the inactive P&T facility began on September 22, 2014, and the project description was provided to RL on November 13, 2014. The approach for the CRR was revised several times and the draft CRR provided to RL on March 24, 2015. Comments were incorporated and the Rev. 1 CRR was sent to RL on March 31, 2015, to initiate the 30-day review.

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 –RL is continuing coordinating with EPA. A notice of change was submitted to RL

on February 11, 2015, indicating that the FY2015 field work may be impacted. (CHPRC-1500624)

Status – RDR/RAWP Signatures have not yet been secured. Received RL response (15-AMRP-0106, dated March 12, 2015) to the Notice of Change (CHPRC-1500624, February 10, 2015); this response provided direction to proceed with the implementation of the 300 Area RDR/RAWP. This issue is now closed and will not be further reported on.

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. RL/CHPRC to continue working with the regulatory agencies to facilitate completion of these documents. Submit Notice of Changes letters to RL as contract activities are impacted.

Status – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. RL/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

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

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-030/WBS-030																		
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
SGW-008: Regulatory Documents Result in Significant Comments from Regulators	Significant comments from the regulators or RL on documents submitted for approval (SAPs, RI/FS Work Plans, Proposed Plans, permits) could result in increased schedule and labor requirements. If the comments require additional characterization data, schedule impacts and increased costs could also be incurred to collect the characterization data. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 500 days		Risk Event: 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.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Resolve technical comment with Ecology</td> <td rowspan="3" style="text-align: center;">01/26/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Comment resolution with Ecology on Draft A 100-N RI/FS report.</td> <td>09/30/15</td> <td>25</td> </tr> <tr> <td>Develop 100-N schedule with Ecology to complete comment resolution and share with DOE-RL.</td> <td>04/30/15</td> <td>50</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Resolve technical comment with Ecology	01/26/15	Complete	100	Comment resolution with Ecology on Draft A 100-N RI/FS report.	09/30/15	25	Develop 100-N schedule with Ecology to complete comment resolution and share with DOE-RL.	04/30/15	50
Risk recovery action(s)	Risk Date	FC Date	%															
Resolve technical comment with Ecology	01/26/15	Complete	100															
Comment resolution with Ecology on Draft A 100-N RI/FS report.		09/30/15	25															
Develop 100-N schedule with Ecology to complete comment resolution and share with DOE-RL.		04/30/15	50															
SGW-004: Cultural Resource Reviews	Cultural and ecological resource reviews impact start of well drilling, well decommissioning, well realignment, or remediation system construction and realignment. However, results and significant delays for historical and archeological reviews may be beyond the scope of CHPRC risk. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$150K, 198 days		Risk Event: The CRR process for adding six new monitoring wells and for D&D of the inactive pump-and-treat system is progressing through DOE RL approvals. However, a Memorandum of Agreement (MOA) will be required for both of these projects. It is likely that the field work will not occur in FY2015 due to the time required for completion of the MOA.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Interface with Tribes at monthly cultural resource meeting.</td> <td rowspan="3" style="text-align: center;">11/04/14</td> <td>09/30/18</td> <td>10</td> </tr> <tr> <td>Interface with MSA during bi-weekly meetings</td> <td>09/30/18</td> <td>10</td> </tr> <tr> <td>Conduct workshop to define the mitigation actions for the 100-N MOAs.</td> <td>04/21/15</td> <td>0</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	10	Interface with MSA during bi-weekly meetings	09/30/18	10	Conduct workshop to define the mitigation actions for the 100-N MOAs.	04/21/15	0
Risk recovery action(s)	Risk Date	FC Date	%															
Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	10															
Interface with MSA during bi-weekly meetings		09/30/18	10															
Conduct workshop to define the mitigation actions for the 100-N MOAs.		04/21/15	0															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments												
		Month	Trend													
RL-030/WBS-030																
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction SGW-007B: Analytical Reduction	Reduction in field sampling (locations, frequency, or total number of samples collected) has the opportunity to reduce cost. Risk Handling Strategy: Exploit Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 0 day			Opportunity Event: The <i>Optimization Plan to Revise the Groundwater Sampling Plan</i> is final and provides the roadmap to revise all groundwater SAPs over the next two years. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Opportunity action(s)</th> <th style="text-align: center;">FC Date</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td>Develop schedule for completing DOE-RL Panel Review on the SAPs.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Obtain Agency approval of the revised SAP.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">25</td> </tr> </tbody> </table> Opportunity Assessment: A schedule was developed for completing DOE RL Panel Review on all the SAPs, including SAPs planned for both FY2015 and FY2016, during this fiscal year. This opportunity will be realized following Agency approval of the revised SAP. No foreseeable impacts to implement this opportunity in the near future, and no alternative course of actions needed at this time.	Opportunity action(s)	FC Date	%	Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100	Obtain Agency approval of the revised SAP.	09/30/15	25			
Opportunity action(s)	FC Date	%														
Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100														
Obtain Agency approval of the revised SAP.	09/30/15	25														
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																
SGW-UP1-10: 200-UP1 Uranium/Iodine 129 Expansion Remedy Startup	The 200 West P&T bioremediation system does not operate as expected, requiring increased engineering, startup, operational test and operational procedure change support. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$750K, 40 days			Risk Trigger: Will continue throughout project lifecycle (9/30/2015) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Mitigation action(s)</th> <th style="text-align: center;">FC Date</th> <th style="text-align: center;">%</th> </tr> </thead> <tbody> <tr> <td>Obtain operations and engineering input on the operating system controls to standardize the use for other pump and treat systems</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Complete OTP</td> <td style="text-align: center;">07/30/15</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> Mitigation Assessment: No slides to the forecasted mitigation dates. 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 was initiated March, 2015. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.	Mitigation action(s)	FC Date	%	Obtain operations and engineering input on the operating system controls to standardize the use for other pump and treat systems	Complete	100	Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.	Complete	100	Complete OTP	07/30/15	0
Mitigation action(s)	FC Date	%														
Obtain operations and engineering input on the operating system controls to standardize the use for other pump and treat systems	Complete	100														
Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.	Complete	100														
Complete OTP	07/30/15	0														
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																
No high threat value risks identified in the month of March.																
Unassigned Risks (Pending ownership of identified risks/opportunities)																
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																
SGW-002: RL or Regulator Personnel Changes	Regulatory interpretations, agreements, and strategies are developed and worked through assigned 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.															
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.															
SGW-042: Regulatory Requirements Require P&T System Modifications	Regulatory requirement changes result in the need to modify existing pump and treat systems.															
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.															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-030/WBS-030				
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.			
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.			

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	10.4	9.9	10.1	(0.5)	-5.0%	(0.2)	-1.8%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Performance (-\$0.5M/-5.0%)

The negative schedule variance resulted from the following:

- In March, 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 and a slowdown in the number of samples taken and analyzed now that the high water sampling has been completed.
- The seven 200-UP-1 monitoring well campaign planned in the PMB for FY2015 has 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). Planning activities for the I-129 drilling campaign for the installation of three 200-UP-1 injection wells took longer than expected due to extensive negotiations with bidders. A final deep vadose zone SAP and test plan for the uranium sequestration pilot test has not been approved; therefore, procurement activities have not been completed and delaying mobilization.

CM Cost Performance (-\$0.2M/-1.8%)

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	1,073.0	1,070.3	1,055.0	(2.7)	-0.3%	15.3	1.4%	1,530.1	1,489.8	40.3

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Performance (-\$2.7M/-0.3%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$15.3M/+1.4%)

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	137.6	134.8	2.7

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0030 changed in March from \$137.7 million to \$137.6 million per revised guidance from DOE-RL. The reduction of \$0.1 million is align funding with DOE-RL guidance.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-014R0 - *Definitization of CO #265, US Ecology Documentation Review*

BCR-PRC-15-026R0 - *Schedule Health Adjustments - March 2015*

BCR-PRC-15-027R0 - *Definitization of CO #252, KE Boreholes Phase II*

FY2015 Management Reserve (Funded): \$1.75 million

No FY2015 Management Reserve was used during March. \$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		TBD	Dispute resolution was extended to May 29, 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	1/22/15		Complete
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	3/31/15	3/25/15		Complete
M-015-110A	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology	TPA	3/31/15	3/18/15		Complete
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. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		5/13/20	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-92A is to be missed.
M-024-66-T01	Conclude Discussions of Well Commitments	TPA	8/1/15		8/1/15	On schedule
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15		9/15/15	On schedule
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-110B is to be missed.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/30/15	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.
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		2/25/16	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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)



K. A. Wooley
Acting Vice President for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2015
CHPRC-2015-03, 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, commenced B Plant Pre-Filter change-out.

EMS Objectives and Target Status

None currently identified.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	6	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Received DOE-RL additional work authorization for preliminary design for REDOX roof repair and removal of suspect Pu Nitrate bags
- Operations/Maintenance
 - o Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
 - o Commenced B Plant Pre-Filter change out
- Completed:
 - o 49 tri-annual waste site surveillances
 - o 78 radiological facility surveillances
 - o 25 preventive maintenance (PM) activities
 - o Temporary repair (corrective maintenance) on the Plutonium Uranium Extraction Plant (PUREX) stack sample probe flange and re-established “continuous” monitoring
 - o PUREX Tank 30 asbestos stabilization

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



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



Increased Confidence
 No Change
 Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																					
		Month	Trend																						
RL-040/WBS-040																									
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".																									
Realized Risks (Risks that are currently impacting project cost/schedule)																									
D4-064: Aging Building Systems/Component	Problems with aging building systems/components (e.g., roofing/structures, etc.) result in inoperability or requires unscheduled maintenance/ outages, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$3.5M, 0 day		Risk Event: During a routine, non-scheduled, inspection the PUREX stack monitoring probe broke, resulting in temporary repairs to the stack sampling probe.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th colspan="4">Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td colspan="4">Temporary repair on the PUREX stack sample probe flange, and re-establish continuous monitoring.</td> <td>03/10/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td colspan="4">Procure replacement probe.</td> <td></td> <td>05/31/15</td> <td>0</td> </tr> </tbody> </table> Recovery Action Assessment: Procurement of the stack monitoring probe will be placed in spares to mitigate future consequences in the event of this occurring again. Risk recovery actions are on schedule with no secondary concerns, or alternative course of actions at this time.	Risk recovery action(s)				Risk Date	FC Date	%	Temporary repair on the PUREX stack sample probe flange, and re-establish continuous monitoring.				03/10/15	Complete	100	Procure replacement probe.					05/31/15	0
Risk recovery action(s)				Risk Date	FC Date	%																			
Temporary repair on the PUREX stack sample probe flange, and re-establish continuous monitoring.				03/10/15	Complete	100																			
Procure replacement probe.					05/31/15	0																			
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																									
No critical risks identified in the month of March.																									
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																									
No high threat value risks identified in the month of March.																									
Unassigned Risks (Pending ownership of identified risks/opportunities)																									
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																									
D4-022: Conflicts Between Regulatory Agencies	EPA and Ecology do not agree on plans for accomplishing facility D4, or disposition pathways for waste, which causes schedule and probable cost impacts.	Regulator actions are outside of CHPRC control.																							
D4-039A: Pre-FY 2013 ERDF Impacts to D4 Activities	ERDF cannot accept D4 wastes or provide required support as the wastes are generated. This risk applies to D4 activities occurring before CHPRC assumes control of ERDF.	Performance of other Hanford Contractors is outside of CHPRC control.																							
D4-P-049: PUREX Tunnels Disposition	PUREX Tunnels materials must be removed and treated prior to tunnel closure.																								
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)																								
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.																								
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.																								
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.																							
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.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.																							

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
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.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-007: More Extensive Contamination Than Expected	During waste site remediation, contamination depth or breadth is greater than planned.	Waste site dimensions were provided in the RFP and associated documents. Deviations from those specific in the RFP are outside of CHPRC control.		
WSR-008: No Action Waste Sites	Confirmatory samples determine no action waste sites require RTD remediation.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-009: Different Remediation Approach	There is a risk that the regulators will require a different cleanup remedy than planned.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
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.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-011: Regulators Disagree on Remediation Approach	EPA and Ecology disagree on remediation approach for similar waste sites within a closure zone where the waste sites are assigned to different operable units and have different lead regulatory agencies.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-014: Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation.			
WSR-015: Borrow Material Shortage	Sufficient borrow material to support cleanup remedies is not available on site.	Restrictions on borrow Pit usage and development are outside of CHPRC control.		
WSR-018: ERDF Priorities Impact Waste Site Remediation	Conflicting ERDF priorities impact the CHPRC waste site remediation schedule.	Performance of other Hanford Contractors is outside of CHPRC control.		
WSR-019: Regulator Required Barrier Design Changes	Regulators require changes to planned barrier designs.	Regulator decisions/actions are outside of CHPRC control.		
WSR-020: Operable Unit vs. Zone Closure Decision Documents	Regulators require closure documents by operable unit rather than by closure zone, thus impacting the zone closure strategy and schedule.			
WSR-023: New Waste Sites Identified	New waste sites are discovered during waste site remediation or through the orphan site identification process.	Waste site were provided in the RFP and associated documents. Deviations from those specifics in the RFP are outside of CHPRC control.		
WSR-025: HLW Discovered During Remediation	Tanks located within or near canyon facilities contain high-level waste that must be dispositioned.	RFP did not identify any High Level Waste		
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.	The J-14 table reflects all radioactive/hazardous waste sites requiring remediation. Debris piles are not contaminated.		
WSR-044: OPP: RTD Sites Only Need Confirmatory Sampling	Confirmatory sampling for no further action is determined to be acceptable for waste sites previously identified as needing removal, treatment, and disposal (RTD) as the remedial action.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-045: Accelerated Remediation of Sites Not in L-8 Table	Waste sites not included in the PRC RFP L-8 table require remediation under the CHPRC contract.	Waste sites were stipulated in the RFP and associated documents. Additional waste sites are outside of CHPRC control.		

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.9	0.8	0.8	(0.1)	-8.5%	0.0	0.6%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance: (-\$0.1M/-8.5%)

Variance is within reporting threshold.

CM Cost Performance: (+\$0.0M/+0.6%)

Variance is within reporting threshold.

Contract-To-Date

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	394.3	394.1	363.4	(0.2)	-0.1%	30.8	7.8%	457.8	421.8	36.0

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance: (-\$0.2M/-0.1%)

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 (+\$36.0M/+7.9%)

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	15.5	14.2	1.3

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0040 changed from \$12.5 million to \$15.5 million due to increased funding for REDOX roof repair preliminary design (\$0.5 million), initiate work to remove and disposition REDOX suspect Pu-nitrate bags (\$0.75 million) and additional funding to address ongoing issues with the aging facilities. Spend Forecast changed from 12.4 to 14.2 as a result of the added scope described above.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-040-15-002R0 - *Reinstate PBS RL-040 Canyon Risk Mitigation from CLIN 7*
- BCR-PRC-15-025R0 - *Definitization of CO #259, WESF Stabilization & Ventilation Project*
- BCR-PRC-15-030R0 - *Undistributed Budget Adjustments – March 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)



K. A. Wooley
Acting Vice President for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2015
CHPRC-2015-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells continued drilling enclosure construction and ventilation system installation, approved work package for work release for 116-KE-3 drilling, established work zones and control boundaries, and initiated drilling on the 116-KE-3 site through the first 15 feet of clean backfill. 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 drilling enclosure construction and ventilation system installation on the second borehole location (UPR-100-K-1)
 - o Approved work package for work release for 116-KE-3 drilling
 - o Completed table top and live emergency preparedness field drill
 - o Established work zones and control boundaries
 - o Initiated drilling on the 116-KE-3 site through the first 15 feet of clean backfill
 - o Conducted Hazard Review Board
 - Minor modifications required to the work package in order to resume drilling and complete 116-KE-3 characterization
- Completed Surveillances:
 - o Radiological – 29
- Radioactive Material Area (RMA) Consolidation:
 - o Final RMA to be consolidated is 70 percent complete. Work continues to be on hold due to resource availability (working higher priority CHPRC scope).

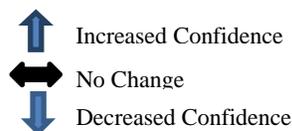
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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



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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-041/WBS-041				
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment “PC&PI-2015-MA-15016”.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of March.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of March.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of March.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
To ensure success of the project, ownership needs to be established to further identify and address potential impacts to life cycle project cost and schedule. There are cases when identified risks are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
KBC-004: Contamination Depth Greater Than Planned	Determination that extent of contamination, primarily below KW Basin, is greater than expected, requiring more soil excavation and disposal.			The L-8 tables and associated RFP information specified the dimensions of the waste sites. Variance to those dimensions is an as found condition and is outside of CHPRC Control.
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.			Performance of other Hanford Contractors is outside of CHPRC control.
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.			The L-8 tables and associated RFP information a total waste volumes. An agreement on total tonnage was reached with DOE-RL in 2013. Volumes above that quantity are outside of CHPRC control.
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.			Performance of other Hanford Contractors is outside of CHPRC control.

PROJECT BASELINE PERFORMANCE

Current Month
 (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	(0.3)	0.4	0.3	0.7	-269.3%	0.1	23.7%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (+\$0.7M/-269.3%)

The negative schedule variance is a result of implementing BCR-PRC-15-027R0 for the Definitization of change order 252, Contract Modification 390 “Supplementary Characterization of UPR-100-K-1 and 115-KE_3 Waste Sites, Phase II”. The definitized scope included the incorporation of additional mobilization

activities above those contemplated when the scope was originally placed in the PMB in September of 2014 as a result of a \$1 million NTE associated with change order 252. This additional mobilization was included in the change proposal submitted in October FY2015, but the baseline was not adjusted at that time because it was not known whether the change would be definitized as submitted. Once the change was definitized in March 2015, the update of the project schedule incorporating these additional mobilization activities drove the subsequent drilling activities from December 2014 to late March 2015 resulting in a current month negative point adjustment to BCWS. In addition, the BCR incorporated the breakout of the definitized budget between capital and expense activities (based on a capital determination received in December 2014) and extended the completion of work into FY2016 consistent with the schedule submitted with the Truth in Negotiations information provided to the government prior to definitization.

CM Cost Performance (+\$0.1M/+23.7%)

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	312.4	312.3	284.4	(0.1)	-0.0%	28.0	9.0%	397.8	368.3	29.5

Numbers are rounded to the nearest \$0.1 million

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

The schedule variance is within threshold.

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

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

Variance at Completion (+\$29.5M/+7.4%)

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	9.6	7.9	1.7

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 changed from \$6.8 million to \$9.6 million due to an additional allocation funds to address the previously reported funding challenge associated with an updated estimate for the 100KE Boreholes. The change in FY2015 Spending Forecast from \$8.1 million to \$7.9 million is within threshold.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-007R0, *A-9 Substation Fence Repair*

BCR-PRC-15-027R0, *Definitization of CO #252 KE Boreholes Phase II*

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)



K. A. Wooley
Acting Vice President for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2015
CHPRC-2015-03, 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 FFTF Annual Surveillance
 - o Seven Preventive Maintenance (PM) activities/operational surveillances
 - o Five radiological surveillances
 - o Five operational surveillances
 - o Removal of fire system restriction
 - o Installed rail covers at Fuel Storage Facility (FSF)

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



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



Increased Confidence
 No Change
 Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-042/WBS-042				
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of March.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of March.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of March.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in the month of March.				

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.1	(0.0)	-4.9%	0.1	34.6%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.0M/-4.9%)

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.1M/+34.6%)

The current period cost variance is within threshold.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	19.1	19.0	15.6	(0.1)	-0.3%	3.4	18.1%	26.6	20.0	6.5

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.1M/-0.3%)

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.4M/+18.1%)

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)

RL-0042 FFTF Closure	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0042	1.4	1.2	0.2

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

Project funding and Spending Forecast is unchanged from the prior month.

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

None currently identified.

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



March 2015
CHPRC-2015-03, 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 / 02 / 23								
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2015 / 03 / 22								
			c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009								
5. CONTRACT DATA																	
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS							
	5,468,214	27,226		228,492	5,696,706	5,558,324	5,196,706	5,558,324									
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		5,251,466							c. SIGNATURE			d. DATE SIGNED 3/22/2015					
b. WORST CASE		5,523,261															
c. MOST LIKELY		5,329,832		5,495,440		165,608											
8. PERFORMANCE DATA																	
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)	
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)							
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)	
011 RL-11 NM Stabilization and Disposition PFP	8,771	9,192	8,658	421	534	782,198	751,034	788,422	(31,164)	(37,387)	0	0	0	938,694	958,053	(19,359)	
012 RL-12 SNF Stabilization and Disposition	6,123	5,839	5,177	(284)	662	471,976	475,382	484,786	3,406	(9,404)	0	0	0	695,450	714,695	(19,245)	
013 RL-13 Solid Waste Stabilization & Disposition	8,524	9,003	6,660	479	2,343	925,205	926,803	881,218	1,598	45,585	0	0	0	1,356,289	1,265,622	90,667	
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	10,421	9,896	10,079	(525)	(183)	1,072,954	1,070,271	1,054,983	(2,683)	15,288	0	0	0	1,523,612	1,483,276	40,336	
040 RL-40 Nuclear Facility D&D Remainder of Hanford	916	838	833	(78)	5	394,331	394,131	363,372	(200)	30,759	0	0	0	456,580	420,546	36,034	
041 RL-41 Nuclear Facility D&D - River Corridor	(255)	431	329	685	102	312,374	312,308	284,355	(66)	27,952	0	0	0	397,816	368,328	29,487	
042 RL-42 FFTF Closure	163	155	102	(8)	54	19,093	19,043	15,597	(51)	3,446	0	0	0	26,577	20,045	6,532	
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														20,902	20,902	0	
e. Sub Total	34,665	35,354	31,837	689	3,517	3,978,131	3,948,971	3,872,732	(29,159)	76,239	0	0	0	5,415,919	5,251,466	164,453	
f. Management Reserve														78,367			
g. Total	34,665	35,354	31,837	689	3,517	3,978,131	3,948,971	3,872,732	(29,159)	76,239	0	0	0	5,494,285			
9. Reconciliation to CBB																	
a. Variance Adjustment																	
b. Total Contract Variance									(29,159)	76,239				5,494,285	5,251,466	242,820	

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)			2015 / 02 / 23						
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X 9/18/2009			2015 / 03 / 22						
5. PERFORMANCE DATA																
ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
34 - Envr Program & Strategic Planning																
340 - Environmental Prog & Regl Mgt	616	585	416	(31)	169	51,939	52,186	48,156	247	4,030	0	0	0	83,134	72,793	10,341
	616	585	416	(31)	169	51,939	52,186	48,156	247	4,030	0	0	0	83,134	72,793	10,341
35 - Business Services																
35D - Contract Mgmt & Facility Svcs	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
35K - PRC Finance	0	0	0	0	0	449,477	449,477	425,102	0	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	30	30	7	0	23	57	57	7	0	51	0	0	0	8,602	8,680	(78)
	30	30	7	0	23	57	57	7	0	51	0	0	0	8,602	8,680	(78)
3B - PFP Closure																
36Y - Matrixed to PFP	0	0	0	0	0	4,822	4,822	5,328	0	(507)	0	0	0	4,822	5,328	(507)
3B0 - PFP Close/BOSS D&D & Infrastruc	1,648	1,669	2,140	21	(471)	147,743	136,592	159,956	(11,151)	(23,363)	0	0	0	201,579	221,353	(19,774)
3B3 - Project Management/Subcontracts	1,786	1,694	1,543	(91)	151	111,947	106,701	111,030	(5,245)	(4,329)	0	0	0	134,577	135,196	(618)
3B4 - Engrg Nuc Saf Plng&Wrk Control	1,415	1,415	1,062	0	353	56,008	56,008	46,124	0	9,884	0	0	0	74,095	60,038	14,057
3B7 - Environmental & Waste	671	683	942	13	(259)	57,725	56,947	46,641	(778)	10,306	0	0	0	73,244	72,079	1,165
3BA - Project Mgmt D&D	1,018	1,018	1,003	(1)	14	155,051	155,051	157,617	(1)	(2,567)	0	0	0	168,033	171,618	(3,585)
3BB - PFP D4 Deputy Project Mgmt	2,232	2,712	1,968	479	744	162,752	148,762	182,779	(13,990)	(34,017)	0	0	0	195,084	212,358	(17,274)
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	(0)
	8,770	9,190	8,658	421	532	696,047	664,883	709,476	(31,164)	(44,593)	0	0	0	851,435	877,972	(26,537)
3C - Decom Waste Fuels & Remed Svcs																
38X - Support to 3C - W&FMP/D&D Project	1,982	2,196	1,695	214	502	48,195	51,365	71,235	3,170	(19,870)	0	0	0	91,059	119,243	(28,184)
3AD - Sludge Treatment Project	4,139	3,641	3,482	(498)	159	369,044	369,281	359,478	236	9,803	0	0	0	547,287	538,989	8,299
3BX - Support to 3C - W&FMP/D&D Project	(264)	422	301	685	121	248,698	248,632	226,458	(66)	22,174	0	0	0	326,723	303,001	23,722
3C1 - Waste & Fuels Mgmt Proj	873	584	368	(290)	216	60,110	60,105	52,192	(5)	7,913	0	0	0	62,703	54,917	7,786
3C2 - DWF&RS	0	0	0	0	(0)	472	472	417	0	55	0	0	0	472	417	55
3C4 - Waste & Fuels Project Controls	2,150	2,122	1,514	(28)	608	210,355	210,118	210,017	(238)	101	0	0	0	322,440	297,990	24,450
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	3,017	2,830	2,381	(187)	449	204,018	204,109	189,324	92	14,786	0	0	0	396,303	385,514	10,790
3CD - Waste Disposition	3,547	4,445	3,360	897	1,085	694,059	695,558	655,526	1,499	40,032	0	0	0	892,709	819,417	73,292
	15,446	16,240	13,100	794	3,140	1,884,091	1,888,779	1,817,032	4,688	71,747	0	0	0	2,688,836	2,571,873	116,962
3D - Soil & Groundwater Remediation																
3D0 - Soil & Groundwater Remediation	1,019	990	1,024	(28)	(34)	84,132	84,343	82,978	211	1,365	0	0	0	141,155	128,346	12,808
3D2 - GW Remediation Support	2,473	1,722	1,956	(750)	(234)	163,049	160,396	150,160	(2,654)	10,235	0	0	0	257,308	241,609	15,699
3D4 - GW Operations	2,837	2,515	2,394	(322)	122	174,215	174,886	162,423	671	12,463	0	0	0	299,269	288,834	10,435
3D8 - GW Analysis and Reporting	3,475	4,082	4,283	607	(201)	452,077	450,918	453,877	(1,159)	(2,959)	0	0	0	592,754	591,835	920
	9,804	9,310	9,657	(494)	(347)	873,473	870,542	849,439	(2,931)	21,104	0	0	0	1,290,487	1,250,624	39,862
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														20,902	20,902	0
e. Sub Total	34,665	35,354	31,837	689	3,517	3,978,131	3,948,971	3,872,732	(29,159)	76,239	0	0	0	5,415,919	5,251,466	164,453
f. Management Resrv.														78,367		
g. Total	34,665	35,354	31,837	689	3,517	3,978,131	3,948,971	3,872,732	(29,159)	76,239	0	0	0	5,494,285		

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: 2015/2/23 b. TO: 2015/3/22					
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 \$27,226		e. CONTRACT BUDGET BASE (C + D) \$5,495,440		f. TOTAL ALLOCATED BUDGET \$5,494,285		g. DIFFERENCE (E - F) \$1,155			
h. CONTRACT START DATE 6/19/2008				i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018							
6. PERFORMANCE DATA																	
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)						UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)	
			+1 Mar-15 (4)	+2 Apr-15 (5)	+3 May-15 (6)	+4 Jun-15 (7)	+5 Jul-15 (8)	+6 Aug-15 (9)	FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)	FY17 (14)	FY18 (15)			
a. PM BASELINE (BEGIN OF PERIOD)	3,943,466	33,711	43,870	36,478	34,958	47,118	37,882	50,625	3,391,477	391,653	445,396	436,749	376,363	354,772	6,480	5,402,890	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																	
BCR-013-15-005R0, Repackaging of Small TRU Containers at PermaFix Northwest											965	0	0	(965)		0	
BCR-013-15-006R0, T Plant Modifications Delay ETF Offset											0	0	0	(416)		(416)	
BCR-030-15-014R0, Definitization of CO #265, US Ecology Documentation Review											42	9		(51)		0	
BCR-040-15-002R0, Reinstate PBS RL-040 Canyon Risk Mitigation from CLIN 7											1,450	0	0	0		1,450	
BCR-041-15-007R0, A-9 Substation Fence Repair											73	0	0	0		73	
BCR-PRC-15-025R0, Definitization of CO #259, WESF Stabilization and Ventilation Project											2,241	424	0	(4,165)		(1,500)	
BCR-PRC-15-026R0, Schedule Health Revisions -March 2015											0	0	0	0		0	
BCR-PRC-15-027R0, Definitization of CO #252, KE Boreholes Phase II											2,792	390	18	(4,201)		(1,000)	
BCR-PRC-15-030R0, Undistributed Budget Adjustments March 2015															14,422	14,422	
c. PM BASELINE (END OF PERIOD)	3,978,131	34,655	44,984	37,694	35,796	48,487	39,164	51,834	3,391,477	391,653	452,960	437,572	376,381	344,975	20,902	5,415,919	
7. MANAGEMENT RESERVE																78,367	
8. TOTAL																5,494,285	

CONTRACT PERFORMANCE REPORT											CLASSIFICATION (When Filled In)									
FORMAT 4 - STAFFING											FORM APPROVED									
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 / 02 / 23					
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					
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)																				
Organizational Breakdown Structure (OBS)	ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)						AT COMPLETION (15)										
				SIX MONTH FORECAST																
				+1 Apr (4)	+2 May (5)	+3 Jun (6)	+4 Jul (7)	+5 Aug (8)	+6 Sep (9)		FY16-18 (13)									
300 - Office of the President																				
35X - Support to President											5	466	5	5	5	5	5	5	189	682
											5	466	5	5	5	5	5	5	189	682
303 - Internal Audit																				
303 - Internal Audit											6	335	5	5	5	5	5	5	180	545
											6	335	5	5	5	5	5	5	180	545
304 - General Counsel																				
304 - General Counsel											4	320	4	4	5	5	5	5	180	527
											4	320	4	4	5	5	5	5	180	527
31 - Communications																				
310 - Communications											9	761	9	9	9	9	9	9	324	1,137
											9	761	9	9	9	9	9	9	324	1,137
32 - Safety, Health, Security & Quality																				
320 - Safety Health Security/Quality											15	1,550	16	16	16	16	16	16	598	2,244
321 - RAD PRO/Emergency Prep											0	0	0	0	0	0	0	0	0	0
322 - Nuclear Ops Supp & Compliance											8	765	9	9	9	9	9	9	288	1,107
324 - Quality Assurance											16	1,760	17	17	17	17	17	17	623	2,483
328 - Occup Safety & Indus Hygiene											17	1,473	18	18	18	17	17	17	660	2,239
											56	5,548	60	59	59	59	59	59	2,169	8,074
34 - Environmental Prog & Strategic Planning																				
340 - Environmental Prog & Regl Mgt											38	3,595	39	39	40	40	39	39	1,662	5,493
											38	3,595	39	39	40	40	39	39	1,662	5,493
35 - Business Services																				
35D - Contract Mgmt & Facility Svcs											26	3,327	27	27	27	27	27	27	1,020	4,510
35F - Industrial Relations											5	386	6	6	6	6	6	6	190	610
35H - Human Resources											15	1,126	15	15	15	15	15	15	531	1,746
35K - PRC Finance											13	1,021	12	12	12	12	12	12	468	1,562
											59	5,861	59	59	59	59	59	59	2,209	8,428
36 - Prime Contract & Project Integration																				
360 - Prime Cont & Prj Integration											0	1	0	0	0	0	0	0	0	1
361 - Cont Compl & Change Mgmt											12	625	11	11	12	12	12	12	468	1,162
363 - EVMS Compl & Rptg											16	1,399	17	17	17	17	17	17	540	2,044
365 - Perf Assess & Risk Mgmt											3	328	4	15	15	15	15	15	550	960
366 - Information & Interface Mgmt											14	1,014	14	13	14	15	15	15	504	1,604
											45	3,368	46	57	59	60	60	60	2,062	5,772
38 - Project Technical Services																				
381 - Central Engineering											6	605	10	10	10	10	9	9	338	1,001
382 - Training & Procedures											9	2,148	10	10	10	10	10	10	360	2,568
383 - Operations Programs											7	812	7	7	7	7	7	7	252	1,106
384 - Project Delivery											6	1,137	12	12	12	12	12	12	366	1,577
											29	4,702	39	39	39	39	39	39	1,316	6,253
3B - PFP Closure																				
36Y - Matrixed to PFP											0	524	0	0	0	0	0	0	0	524
3B0 - PFP Close/BOSS D&D & Infrastruc											61	5,274	63	64	66	69	65	68	1,127	6,795
3B3 - Project Management/Subcontracts											58	4,104	58	58	56	56	56	56	449	4,894
3B4 - Engrg Nuc Saf Plng&Wrk Control											53	2,444	56	56	56	56	56	56	281	3,060
3B7 - Environmental & Waste											34	2,843	34	34	34	34	34	34	374	3,418
3BA - Project Mgmt D&D											65	11,222	64	64	64	64	64	64	424	12,030
3BB - PFP D4 Deputy Project Mgmt											122	12,561	128	136	130	132	122	134	533	13,876
3BD - PFP Cold & Dark											0	0	0	0	0	0	0	0	0	0
											394	38,971	402	412	405	411	396	412	3,188	44,597
3C - W&FMP/D&D Project																				
38X - Support to 3C - W&FMP/D&D Project											42	1,349	49	49	49	49	68	69	688	2,370
3AD - Sludge Treatment Project											139	16,305	143	142	139	139	140	141	5,311	22,528
3BX - Support to 3C - W&FMP/D&D Project											18	7,185	27	24	24	23	21	13	2,476	9,792
3C1 - Waste & Fuels Mgmt Proj											11	865	18	17	16	13	14	11	0	954
3C2 - DWF&RS											0	22	0	0	0	0	0	0	0	22
3C4 - Waste & Fuels Project Controls											50	6,843	58	62	63	62	62	62	2,474	9,687
3C5 - TRU Project											0	583	0	0	0	0	0	0	0	583
3C9 - Liquid & Fuels Storage											137	11,793	93	74	75	75	75	75	4,129	16,555
3CD - Waste Disposition											140	33,704	155	153	167	157	149	146	6,967	41,601
											538	78,649	543	521	533	519	529	518	22,045	104,093
3D - Soil & Groundwater Remediation																				
3D0 - Soil & Groundwater Remediation											35	3,124	35	36	36	38	38	37	1,541	4,887
3D2 - GW Remediation Support											57	5,944	64	64	64	64	65	64	2,371	8,701
3D4 - GW Operations											107	7,759	103	106	106	104	104	103	3,745	12,129
3D8 - GW Analysis and Reporting											93	9,847	89	91	80	80	80	82	2,887	13,248
											292	26,674	291	298	287	286	287	286	10,544	38,965
Grand Totals:											1,474	169,249	1,503	1,507	1,505	1,496	1,492	1,495	46,069	224,564

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

Format 1 and 3 Contract Data:		Contract Price Adjustments	
CPs - In Process			
	Total Authorized Unpriced Work		\$27,226
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)			
	Total Negotiated Cost Changes		-
	Grand Total Adjustments		\$27,226

Use of Management Reserve (MR) and Fee Activity:			
MR Utilization			
BCR Number	Title	Fiscal Year	MR
BCR-041-15-007R0	<i>A-9 Substation Fence Repair</i>	2015 - 2018	-73K
The overall change to Management Reserve during March is -\$73K.			
Fee Activity			
BCR Number	Title	Fiscal Year	Fee
N/A	<i>N/A</i>	N/A	N/A
There were no changes to Fee during March.			

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: 4/16/2015	Approved by:	Date:
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Appendix B

Project Services and Support (WBS 000)



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

M. A. Wright
Vice President for
Project Technical
Services

March 2015
CHPRC-2015-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

D. A. Millikin
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 82 percent by compressing occupancy and vacating underutilized facilities. Vacated/unoccupied facilities declared unusable and designated inactive placed in Care Taker system.	9/30/15	45%
15-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into at least 90 percent of CHPRC onsite/offsite event contracts. Train staff on "green" event planning, contract terms, and policy.	9/30/15	15%
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 percent of all record generation to paperless. All records will be reviewed and moved into IDMS for permanent storage.	9/30/15	75%
15-EMS-ADMIN-OB4-T1	To expedite chemical Reportable Quantity (RQ) identification by the CHPRC single point of contact (SPOC) during a release or spill.	Develop RQ table for the single point of contact (SPOC) at CHPRC to use when evaluating a release or spill.	9/30/15	25%
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	52%

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	3	8	Heel of shoe caught in hem of pant leg, causing her lose balance. (23622) Two employees were struck by falling bookshelf when the unit pulled out from the wall. (23628, 23629)
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 zero SHS&Q Recordable injuries or First Aid cases during March.
 - 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.
 - Continued implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 748 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 205 CHPRC facilities. An additional 88 facilities have been sampled.
 - Continued to provide field ergonomic assessments and office ergonomic assessments
 - Continued to provide technical assistance to Plutonium Finishing Project (PFP) and Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) for asbestos work activities
 - Provided support to PFP in resolving respiratory protection issues with resin beads inside tight fitting face pieces
 - Provided support to DWF&RS with the transfer of Industrial Hygiene sample/monitoring data for the Effluent Treatment Facility (ETF) to Washington River Protection Solutions
 - Planning for the May Hanford Site Safety Expo is well underway
 - Finalizing an Apparent Cause Evaluation for the emerging trend in non-use/miss-use of required Personal Protective Equipment

- o Radiological Control accomplishments:
 - Completed radiological activities to support Effluent Treatment Facility (ETF) transition to Washington River Protection Solutions (WRPS)
 - Initiated Radioactive Material Area Work Site Assessment
 - Revised PRC-0907-0018, *Partial Body Entry or Partial Equipment Entry to Contaminated Areas*
 - Continued working with Lockheed Martin Services, Inc. (LMSI) to convert Survey Simple to web-based application
 - Continued work with site contractor Interface Management to revise the Administrative Interface Agreement for Integrated Biological Control Program Services
 - Approved 13 ACL extensions for PFP personnel
- o Nuclear Safety accomplishments:
 - Documented Safety Analysis (DSA):
 - Implemented three Safety Basis documents:
 - o Sludge Treatment Project Preliminary Documented Safety Analysis, Revision
 - o Canister Storage Building Final Safety Analysis Report, Revision
 - o Canister Storage Building Technical Safety Requirements, Revision
 - Implemented the Criticality Safety Program Description document
 - Letter sent to RL in March includes:
 - o Letter, CHPRC-1501410, dated March 31, 2015, *Notification of Resolution of Hydrogen Control Strategy for the Sludge Treatment Project Engineered Container Retrieval and Transfer System – Sludge Transfer and Storage Containers*
 - Letters received from RL in March include:
 - o Letter, 15-NSD-0030_RL, dated March 11, 2015, *Transmittal of the Waste Encapsulation and Storage Facility (WESF) 2014 Safety Basis Annual Update, the Annual Unreviewed Safety Question Report, and the List of Safety Basis Documents*
 - o Letter, 15-NSD-0035_RL, dated March 24, 2015, *Review of the Solid Waste Operations Complex (SWOC) Technical Safety Requirements (TSR) Controls (S-15-NSD-PRC-004)*
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 247 Condition Reports (CRs) were screened in March:
 - Zero Significant issues identified
 - Five Adverse issues identified
 - 90 Track Until Fixed (TUF) issues identified
 - 54 Trend Only (TO) items identified
 - 97 Opportunity for Improvement (OFI) items identified
 - One Screen Out
 - 275 CRs administratively closed
 - 427 CR actions administratively closed
 - Coordinated the scheduling of the Defense Nuclear Facilities Safety Board (DNFSB) close-out conference call specific to Sludge Treatment Project (STP) Nuclear Safety Initiatives and PDSA Revision
 - Coordinated and completed final DNFSB close-out conference call specific to T Plant seismic studies
 - Coordinated the monthly CHPRC/DNFSB Information Request Status call
 - Coordinated the monthly DNFSB conference call concerning the STP
 - Twelve documents were provided in response to DNFSB requests for information
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Continued planning activities in support of the FY2015 Safety Culture Survey

- Issued Revision 2, PRC-MP-MS-29238, *Assurance System Description*
- Provided briefing to PFP personnel on use of Assessment tools in successful implementation of Project Management activities
- Supported Project Technical Services (PTS) with scoping of potential assessment activities to follow the “Deferred Maintenance” efforts in 2014 (PTS-2014-WSA-14339)
- Completed initial work on Integrated Evaluation Plan (IEP) Update 1.3.0. User Manual update to support release of the update to Production
- Completed updates to IEP Test Plans 5, 8, 11, and 13, to test the planned updates to the IEP. Test plans have been provided to supporting team members for evaluation and will be released to other CHPRC organization members to conduct formal testing.
- Issued the 10 CFR 835, Subpart J, “Radiation Safety Training,” triennial assessment final report. There were no issues identified related to CHPRC’s ability to implement 10 CFR 835 Radiation Safety Training requirements.
- Completed and issued SHS&Q-2015-SURV-15093, “Review of Business Services Contract Directive Requirements for the Flow Down and Performance of Programmatic Assessments/Reviews/Evaluations.” There were no findings identified.
- Commenced update of the *Quality Assurance Program Description* (PRC-MP-QA-599) has part of the annual review and submittal to DOE
- Underwent a DOE-RL assessment of the CHPRC Suspect/Counterfeit Item (S/CI) program. No issues identified.
- Completed all DOE-HQ Office of Civilian Radioactive Waste Management (OCRWM) Audit Form II responses. Forms provided to DOE-RL for informal review.
- Performed an S/CI briefing for CHPRC Procurement staff
- Supported PFP and the CHPRC Respiratory Protection Program Administrator (RPPA) in the determination of the cause of their MSA breathing air hose coupling failure
- Supported the DOE Headquarters review of the CHPRC Commercial Graded Dedication process. Three opportunities for improvement were identified and one issue was identified. Quality Assurance Engineers were provided in-service training in Commercial Graded Dedication. This briefing specifically covered the program weaknesses identified by the DOE Headquarters team assist visit.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
 - o **Status:** Continued implementation of Revision 2A across CHPRC.
 - o **Action:** Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 748 CHPRC facilities. Additional personnel resources from Mission Support Alliance (MSA) are being utilized for conducting Be assessments/characterization in Plateau Remediation Contract (PRC) facilities. Two additional subcontractors have been hired to support sampling and characterization efforts.
 - 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 Employee Zero Accident Council (EZAC) 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 Non-Destructive Assessment (NDA) equipment and process upgrades, and comment resolution with

RL on DSA Revision 12. New NDA equipment purchased, calibrated, and deployed in PFP.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**
 - o Ecology issued an inspection report covering Central Waste Complex (CWC) and Trench 94 alleging concerns and some compliance issues. A formal response was provided to Ecology on March 31, 2015.
 - o Ecology issued an inspection report on March 27, 2015, alleging problems with the Resource Conservation and Recovery Act (RCRA) inspection program at the 207-A South Retention Basin
 - o Ecology issued an inspection report for B Plant on March 17, 2015, alleging nine RCRA compliance problems. Many of these pertain to activities authorized by TPA documentation. A response is in preparation.
 - o The U.S. Environmental Protection Agency (EPA) enforcement action regarding ETF drum storage location has been closed
 - o RL received a Notice of Violation (NOV) from EPA for alleged RCRA violations at Central Waste Complex (CWC), Low-Level Burial Ground (LLBG) and the Centralized Consolidated Recycling Center (400 Area). Response is due by April 17, 2015. There are factual problems with some of the allegations, and some directly conflict with requirements of the January 2014 Agreed Order with Ecology.
- **RCRA Permitting Progress**
 - o Ecology approved the Part A RCRA permit for the transfer of Liquid Effluent Retention Facility/Effluent Treatment Facility (LERF/ETF) to WRPS.
 - 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 of 2015.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**
 - o Independent Assessment EP&SP-2015-IA-15058, HASQARD/QSAS, was completed. The final report was issued on March 11, 2015. Results included three findings, five opportunities for improvement, and two noteworthy practices.
 - o Management Assessment EP&SP-2015-MA-15059 Evaluate the Process for Development, Clearance, and Approval of Documents was completed. The final report was issued on March 30, 2015. Results included one finding and three opportunities for improvement.
 - o An independent management assessment by CH2M HILL, NU-MASS-0063 was completed. The final report was issued on March 2, 2015, and the purpose was to review CHPRC actions taken to resolve the issues identified in Agreed Order & Stipulated Penalty, DE 10156. Results included one finding, 9 observations, and 24 practices.
 - o Inspection EP&SP-2015-SURV-13072 of Universal Waste locations was performed and the draft report sent out for factual accuracy review. The scope of the inspection was to visit all UW locations managed by CHPRC to determine implementation of UW requirements.
- **Environmental Requirements Management**
 - o Project teams are in process of identification of implementing documents on the following:
 - CHPRC-ERCM-100K Basin Removal Action
 - S&GRP 21 assigned matrices

Business Services

- **Acquisition Planning**
 - o Developed the Acquisition Plans for S&GRP future tie-in of injection and extraction wells

- o Developed a company-wide approach to the acquisition of fire retardant clothing for electrical workers. Preliminary documents were drafted for consideration for field use.
- o Assisted Procurement in the coordination of contracts to WRPS in support of the ETF transition
- o Researched and provided guidance on the procurement of Waste Isolation Pilot Plant (WIPP)-related waste containers and its components
- o Coordinated with Government Scientific Source (GSS) to establish a stand-alone web-site for CHPRC's use when placing orders against the GSS DOE strategic sourcing agreement. Met with Material Services to introduce the GSS and DOE strategic sourcing concept.
- o Developed contract language to be used in future CHPRC fabrication contracts that describe contractor expectations and conditions of risk with regards to use of CHPRC design drawings
- **Facilities**
 - o Supported the PFP project in planning relocation of two self-contained shower trailers and one self-contained restroom in preparation of the demolition of the surrounding facilities. Plan may migrate to excess to other Prime or demolish in place.
 - o Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 52.45 percent of 3,407 items through March.
 - o Supplied all requested documentation for the FY2015 KPMG property audit. After review, CHPRC will be contacted in regards to the sample testing and planned timing of field visit.
- **Finance**
 - o Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits
 - o March month end completed with no suspensions
 - o Provided support for FY2015 Forward Pricing Rate audit by KPMG
 - o Provided support to Internal Audit for the General Ledger Account Reconciliation audit
 - o Continued to analyze potential training on overtime activities and associated costs prior to FY2014
- **Human Resources**
 - o Implemented the PFP Incentive Program for all employees. Distributed 1,400 personalized letters with specific information about the incentive program. Maintaining the list of eligible employees will be an ongoing effort.
 - o Completed the 2015 Affirmative Action Plan and presented to senior management.
- **Labor Relations**
 - o A total of two grievances requested and/or scheduled for arbitrations were withdrawn.
 - PRC-014-085 – HPMC Work Restriction
 - PRC-014-065 – Be Medical Screening
 - o Awaiting decision on one arbitration - grievance PRC-013-017AED; the arbitrator's decision was in support of the union for grievance PRC-013-098-seniority group B18 and 018
- **Procurement**
 - o Awarded/amended 121 contracts with a total value of \$11.5 million. Additionally, awarded 124 new material purchase orders valued at \$1.4 million to support ongoing project objectives.
 - o At the end of the first 78 months of the PRC, procurement volume has been significant; \$2.2B in contract activity has been recorded with approximately 50.9 percent, or \$1.12B, in awards to small businesses. This includes 6,799 contract releases, 18,573 purchase orders, and 218,826 P-Card transactions.
 - o Completed and issued two Advance Planning Documents for review or approval associated with extraction wells
 - o Awarded the three Safety Significant-High Hazard Miscellaneous Construction Support Basic Ordering Agreements
 - o On March 4, 2015, Contract 48772 Release 13 was awarded to Stillwater, LLC for the "The Installation of Six M-24 Wells Plus One Option, FY2015" work scope in the amount of \$887.0K

- for the six base wells on a firm fixed price basis. This was a result of a competitive solicitation RFP 275345, which was provided to the CHPRC Well Drilling Services BOA holders.
- o On March 4 2015, Contract 48772 Release 14 was awarded to Stillwater, LLC for the “Install One TPA M-24 Well, FY2015” work scope in the amount of \$98.1K on a firm fixed price basis. This was a result of a competitive solicitation RFP 275345, which was provided to the CHPRC Well Drilling Services BOA holders.
 - o On March 4, 2015, Contract 56189 Release 02 was awarded to Holt Services, Inc. for the “Install Four Wells Plus One Well in the 200-PO-1 OU, FY2015” work scope in the amount of \$327.4K on a firm fixed price basis. This was a result of a competitive solicitation RFP 275353, which was provided to the CHPRC Well Drilling Services BOA holders.
 - o On March 18, 2015, Contract 44438 Release 31 was awarded to DGR-Grant, Inc. for the “100-HR3 Well Installation and Re-alignment for the S&GRP” work scope in the amount of \$2.046 million on a time and material price basis. This was a result of a competitive solicitation RFP 275973, which was provided to the CHPRC Miscellaneous Construction Services BOA holders.
 - o On March 18, 2015, Contract 44438 release 33 was awarded to DGR Grant for the “T Plant Elevator Upgrades and Inspection” work scope in the amount of \$66.8K on a firm fixed price basis. This was a non-competitive solicitation RFP 273913, which was provided to DGR Grant which is a Construction Services BOA holder.
 - o On March 25, 2015, Contract 44438 Release 32 was awarded to DGR-Grant, Inc. for the “100-KR Well Installation and Re-alignment for the S&GRP” work scope in the amount of \$150.1K on a time and material price basis. This was a result of a competitive solicitation RFP 275973, which was provided to the CHPRC Miscellaneous Construction Services BOA holders.

Prime Contract and Project Integration (PC&PI)

• Contracts Compliance and Change Management

- o In March, CC&CM received and processed four contract modifications (numbers 391, 394, 397, and 398) from RL. The Correspondence Review Team received and determined the distribution for 67 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 36 outgoing correspondence packages. There were four Notice of Change letters provided to RL in March: CHPRC-1501236AR1 - Notification of Change for B Plant Complex dangerous waste compliance inspection report actions; CHPRC-1501220AR1 - Notification of Change based on direction to implement Capital Asset Project within the Sludge Treatment Project; CHPRC-1501242 - Notification of Change based on Condition of Approval for Preliminary Documented Safety Analysis Revision 1; CHPRC-1501410 - Notification of Resolution of Hydrogen Control Strategy for the STP Sludge Transfer and Storage Containers.
- o In March, CHPRC submitted an Impact Analysis in response for potential compliance with DOE-0336, Hanford Site Lockout/Tagout procedure Revision 2
- o Processed one Request for Services for RF2051, Natural Resource Trustee Council Support to DOE-RL
- o Supported RL in development of Contract Line Item Number (CLIN) 7 removal strategy
- o Worked with RL on Revised FY2015 work authorization that increased funding by \$35.7 million

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	1	2	0	1	1

- o Estimating & Program Support provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Completed a rough order magnitude estimate to support options decision making with regard to a liquids disposal related to the 234-5Z facility, on March 13, 2015
 - Sludge Treatment Project (STP):
 - Continued estimating efforts in support of the Capital Asset project ICE-EIR, to include the acquisition of additional corporate resources to supplement the estimating team, on March 23, 2015
 - Conducted follow up meetings with RL Technical Staff on March 2 and 11, 2015, to provide responses to questions emanating from the review of REA 012 1454, Sludge Treatment Project FY2013 Sequestration Impacts
 - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project:
 - Completed a TINA review for CP 013 263, ERDF Leachate Transfer Pipeline Installation and submitted the results to RL on March 17, 2015. In addition, estimating supported a technical review meeting between CHPRC and RL project personnel on March 11, 2015.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Completed all activities associated with CO 260, NR-2 Bioventing, with receipt of the definitizing modification 394, on March 5, 2015. The definitization is categorized as “late” to the 180 day tracking metric, although the agreement on price was reached by the February 22, 2015 due date. CHPRC provided all information in timeframes that supported the on-time definitization of the proposal.
 - Completed TINA review activities associated with CO 261 Installation of Unloading Station at the 200 West Pump-and-Treat Facility, and submitted results to RL on March 12, 2015
 - Completed TINA review activities associated with CO 264, 200-UP-1 Uranium Treatment inside 200 West Pump-and-Treat on March 12, 2015. Submittal of the result to RL was pending award of the construction subcontract and incorporation of the pricing to the revised cost of the proposal.
 - Completed all activities associated with CO 265, Review of US Ecology Documents, with receipt of the definitizing modification 391, on March 16, 2015
 - Submitted a change proposal in response to CO 266, 200-BP-5 OU Construction and Operations and Maintenance of Transfer Pipelines, on March 9, 2015
 - Completed TINA review activities associated with the proposal CP 030 1511, 200-UP-1 Southeast Chromium Plume, on March 24, 2015. Results will be submitted to RL in April 2015.
 - Submitted a Request for Equitable Adjustment (REA) associated with Increased Aquifer Tube Sampling on March 1, 2015
 - Safety, Health, Security, and Quality (SHS&Q):
 - Conducted a kick-off meeting on March 26, 2015, in support of a proposal requested by RL that will reflect the impacts of implementing changes to DOE Order 474.2, Nuclear Material Control

- **Earned Value Management System (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 10 Baseline Change Requests (BCRs) into the Performance Measurement Baseline (PMB).
 - o 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. Implementation is projected in April.
 - o Comments were received from the Vice Presidents on the final draft of the new Earned Value Management (EVM) Training Program Description (TPD) and discussions towards their disposition were initiated. The document is anticipated to be finalized in April. 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). As a result, additional training courses will be developed to support this TPD.
 - A second presentation of the Humphreys and Associates' 3-day DOE Earned Value Professionals Workshop was made to 28 CHPRC personnel representing project and central organizations. Six presentations of this workshop are being made to CHPRC personnel to improve their skills in the implementation of Earned Value Management. This workshop, which is one of the courses included in the draft EVM TPD, is being made as one of actions 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 Personnel participated in a Webinar sponsored by the Office of Acquisition and Project Management (OAPM) which outlined a process for implementation of an EVMS Interpretation Handbook to provide additional clarity and consistency in the application of EVMS.
- **Strategic Planning and Integration**
 - o **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Continued to facilitate resolutions regarding issues surrounding MS/WRPS proposed site layouts for trailer/parking installations on or near CHPRC WIDS sites
 - o Supported review and update of the Hanford Site Interface Management Plan
 - o Facilitated temporary Heavy Equipment loan agreement with WRPS
 - 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 are scheduled to be field ready the week of May 11.
 - o Inter-Contractor Issue Resolution:
 - Initiated internal reviews of the draft annual Infrastructure and Services Alignment Plan (ISAP) report from MSA
 - o Controlling and Service Agreements:
 - HNF-52028, AIA for Accident/Incident/Exposure/Uptake/Personal Injury/Critique POC and Safety Issue Escalation with MSA – Issued

- Issued new AIA (HNF-58406 Rev 0) Inter-Contractor “Stop Work” Notifications
- Continued efforts in supporting annual review of the J.3 Service Delivery Documents
- o J.13/J.14 Tables:
 - Provided MSA with a proposed J.13/J.14 update addressing the ETF facilities/structures and waste sites
- o Internal Operations:
 - Continued support of ETF/LERF/TEDF transition to WRPS, as requested. Provided internal evaluation of roles and responsibilities related to injury/event reporting on incidents related to “Hybrid” support tasks from Other Hanford Contractors.
 - Continue facilitating information flow regarding the Unitech tight fitting mask resin bead “Stop Work” at PFP
 - Job Control System (JCS) modifications completed to create separate facility group for ETF in support of transition to WRPS
 - Facilitating CHPRC owned radio system repairs at PFP with MSA and LMSI

Information Management

- o Software development of the Respiratory Protection Equipment Tracking automated system continued
- o Provided IT, event logistics, and facilitation support to organizational all hands meetings, EZAC, President’s Zero Accident Council (PZAC), and Leadership Impact Initiative training
- o Provided information clearance and release support for 100K, S&GRP, DWF&RS, SHS&Q and PTS documents
- o Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing
- o Processed 16,166 Electronic Records into the Integrated Document Management System (IDMS)

Project Technical Services (PTS)

- **Central Engineering**

Fire Protection Engineering

- o Completed one year T Plant TSR Key Assumption Assessment. Several OFIs were identified.
- o Completed three Month Combustible loading Surveillance (TSR) at the Waste Receiving and Processing Facility (WRAP). Three minor actions were identified and corrected the same day.
- o Completed three Month Combustible Loading Surveillance (TSR) at LLBG. Some issues were identified for management evaluation.
- o Continued coordination, meetings and ongoing resolution regarding combustible loading caused by wood scaffold planks at PFP
- o Coordinated with Fire Protection Staff for several 100K items (KW Annex AlbiClad welding incident, 105-KW spill berms and combustible loading, defensible space and occupancy permits)
- o Coordinated with WRPS Fire Protection on the turnover of the ETF facilities

Engineering Services

- o Continued review of submittals for the 100KW Annex construction, ECRTS Buy Back 3 General Service Fabrication, Hydrolance (XAGO) Tool Procurement, 200 West Pump-and-Treat System UP-1 Ion Exchange Vessels, ECRTS HVAC System Fabrication, and ETF Heat Exchanger Final Data Package
- o Reviewed the quality assurance inspection plan (QAIP) for receipt inspection of the ETF heat exchanger
- o Reviewed the completed Lines of Inquiry for the In-Process Surveillance of ETF Heat Exchanger Work Processes and Documentation. Surveillance was performed at the heat exchange fabrication site, Northwest Copper Works in Portland, Oregon.
- o Supported DWF&RS STP ECRTS Engineering in the evaluation and checking of the Ingress/Egress Test Weight Drop to the Dummy Elevator Pit Floor

- o Supported DWF&RS 100K in the evaluation of locations for fall arrest anchor points on Safeway Systems™ scaffold components
- o Provided comments for the Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) preliminary design review
- o Supported S&GRP to evaluate the extent of soil subsidence due to total collapse of cribs 216-B 43-50 during drilling operation
- o Supported MSA (Material Services) in an assessment of the storage of HEPA filters stored in Building 2101M to determine the control of QL1, QL3, and QL0 filters. RL and ORP representatives were also in attendance to determine the availability of QL0 filters that can be used in tests being performed by Mississippi State University. Tests planned are to determine the impacts of high relative humidity air streams on the filter media's structural strength.
- o Obtained release of a contract for on-site training of pressure vessel third party inspectors
- **Procedures and Training**
 - o Participated in the National Institute of Environmental Health Sciences (NIEHS) Training Workshop at HAMMER
 - o Completed 21 procedure publications in support of CSB/ISA safety basis update
 - o Presented Respiratory Issuer DIF analysis results to site wide committee
- **Operations Program**
 - o Supported PFP by developing instruction for QA Management regarding measurement of “break-away torque” on breathing air hose fittings
 - o Supported PTS PD on requirements for excavation near abandoned electrical lines
 - o Supported DWF&RS on Conduct of Operations Matrix revision
 - o Met with Procedures Group to discuss job hazard analysis (JHA) checklists for technical procedures in PPS and methods to control as records
 - o Supported ETF transition with JCS changes, identifying Measuring and Testing Equipment (M&TE) and ensuring records closure on items to be turned over to WRPS, and Emergency Preparedness processes
 - o Continued review/reduction of legacy Work Control files
 - o Provided Conduct of Operations presentation for lessons learned from back injury at SGRP
 - o Supported critique for broken wire in well drilling socket at 100H
 - o Assisted in developing areas for improvement in waste shipping planning/preparation with waste management specialists at SGRP
 - o Participated in monthly health and safety walk down at 200 West Pump-and-Treat
 - o Supported Operator Continuous Training at 100K
 - o Supported planning for 105 KW Demineralized Water System Modifications
 - o Participated in 100K Supervisors meetings and manager/work team meetings for supporting communications and improving conduct of operations
 - o Supported EP and 100K NCOs addressing response actions and responsibilities during an emergency
 - o Submitted changes to the Shop Work Request form that is used for Hybrid Work
 - o Supported Training and Maintenance TA on developing qualification cards for Preventive Maintenance and Surveillance (PM/S) coordinators, JCS Administrators and Schedulers
 - o Supported Trending Work Group to discuss two apparent cause analysis being developed to address non-compliances with use of PPE and Fall Protection
 - o Conducted a meeting with MSA Safety Rep and carpenters to align MSA and PRC company processes for applying date information to fixed ladder inspection labels. Determined that PRC had the preferred approach and MSA agreed to align their process to ours. Closed actions in Condition Reporting and Resolution System (CRRS) derived from RL OA system
 - o Provided support to CSB in locating/certifying OCRWM M&TE to support upcoming campaign
 - o Provided presentation to SGRP maintenance personnel on place keeping in work documents to

- close CA number 10 of CR-2014-1605
- o Completed hiring two Emergency Preparedness Coordinators, replacing two losses
- o Submitted 224-T Emergency Planning Hazard Assessment to RL for review and approval
- o Working with CHPRC Environmental and MSA on proposed changes to 94-02 based on meetings with Ecology
- o Scheduled Corporate Home Office Assessment for Emergency Preparedness
- o Supported the Hanford Site exercise at 618-10 burial ground
- o Assisted 100KE borehole project with take cover facility determination and provided a Tone Alert Radio
- o 100KE Borehole Operational drill conducted. Scenario involved loss of air in worker's PAPR and contamination
- o Performed full up drill at CSB and limited scope drill at PFP
- **Project Delivery**
 - o **S&GRP Wells**
 - Completed bonding 8,764LF of 3" high-density polyethylene (HDPE) for well MJ16
 - Completed bonding of 16,000LF of DWHHDPE for UP-1 transfer line
 - Commenced road crossing work in support of BP5 transfer line
 - Mobilized contractor for 100K well realignments
 - o **S&GRP Facilities**
 - Completed construction of the 289T weather enclosure at 200W
 - Completed construction of the enclosure for 116-KE-3 drilling operations
 - o **RAD Building Mods**
 - Commenced with the piping mods in support of the new uranium treatment process train.
 - USIT-Y10 fabrication in progress. Delivery scheduled for April 13, 2015.
 - o **DWF&RS Projects**
 - Commenced insulation repair work on the 1803 Raw water tank
 - Awarded contract for the A9 substation fence install
 - ERDF transfer line mobilization pending ESD approval by EPA, anticipated April 9, 2015.
 - Commenced pre construction planning work for the 105KW and Annex roof sealing projects
- **KW Annex Construction**
 - Completed installing the door 148 temporary enclosure. Completed Electrical modifications and passed National Electrical Code (NEC) inspection. Rad-Con continued surveys of the enclosure to support down posting of the area
 - Completed the installation of HVAC components in the ME/HEPA rooms/High Bay and Load Out Bays
 - Sprinkler piping completed in the ME/HEPA rooms/High Bay and Load Out Bays
 - Continued fire proofing punch list items
 - Continued surface repairs of concrete walls
 - Initiated instrument air installation in the ME and HEPA rooms
 - Initiated the structural framing extension for the installation of the change room in the Intermediate Bay
 - Conducted the survey of the as-built conditions of the HEPA fans to exhaust to facilitate shop drawing creation
 - Continued electrical installation in the high/load out/low and intermediate bays
 - Continued preparation for fire line tie-in (e.g., contractor integration meetings, EWP walkdown with operations/FPE/contractor, completed saw cutting for Baker Tank placement, and initiated placement of asphalt debris in ERDF cans)
 - Initiated the stainless steel (AG-1) exhaust installation in the HEPA room

Communications

- Supported the Department of Energy Richland Operations Office's (DOE-RL) PFP update to the Hanford Advisory Board's River and Plateau Committee. Communications also supported messaging strategy, writing and editing for responses to comments from the State of Oregon and the Yakama Nation about DOE-RL's draft cleanup principles.
- Provided communication support for the transfer of the ETF from DOE-RL to the Department of Energy Office of River Protection (ORP).
- Developed communication products to support the PFP Employee Incentive Program and a company-wide safety pause to reflect on recent safety-related incidents and recommit to performing work safely.
- Prepared materials for "good news" stories about cleanup progress, including progress removing pencil tanks and glove boxes at PFP, drilling to determine the extent of contamination under the K East reactor, expanding capabilities to remove uranium from groundwater and the procurement of more efficient well drilling capabilities.

CH2M HILL women leaders were featured in Washington State University's Women in Business Panel in March. Vicki Bogenberger, Vice President of Business Services, Connie Simiele, Waste and Fuels Management Project Director, Laura Cusack, Environmental Protection Director and Jhivaun Freeman-Pollard, Project Delivery Director, participated.

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	-21.1%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	(0.1)	-134.7%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	3.4%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-17.4%
Safety, Health, Security and Quality	1.1	1.1	1.0	(0.0)	-0.1%	0.1	-8.7%
Environmental Program and Strategic Planning	0.3	0.3	0.4	0.0	0.0%	(0.0)	-7.0%
Business Services	1.5	1.5	1.3	0.0	0.0%	0.2	12.5%
Prime Contract and Project Integration	1.6	1.6	1.5	0.0	0.0%	0.1	5.6%
Project Technical Services	0.6	0.6	0.6	(0.0)	2.7%	0.0	2.4%
Indirect WBS 000 Total	5.5	5.5	5.3	(0.0)	-0.0%	0.3	4.6%

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	0.8	0.8	1.0	0.0	0.0%	(0.2)	-18.9%	1.7
Internal Audit	0.3	0.3	0.6	0.0	0.0%	(0.2)	-78.1%	0.7
General Counsel	0.6	0.6	0.5	0.0	0.0%	0.0	3.4%	1.2
Communications	0.5	0.5	0.6	0.0	0.0%	(0.0)	-17.5%	1.0
Safety, Health, Security and Quality	6.5	6.5	5.5	(0.0)	-0.2%	0.8	14.9%	13.9
Environmental Program and Strategic Planning	2.0	2.0	2.0	0.0	0.0%	0.0	%	4.3
Business Services	8.7	8.7	8.8	0.0	0.0%	(0.2)	-2.2%	16.2
Prime Contract and Project Integration	10.0	10.0	8.9	0.0	0.0%	1.2	11.7%	23.0
Project Technical Services	3.4	3.4	3.6	(0.0)	-0.3%	(0.2)	-6.4%	7.3
Indirect WBS 000 Total	32.7	32.7	31.4	(0.0)	-0.1%	1.4	4.1%	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: (+\$1.4M/+4.1%)

Variance is within reporting thresholds.

Baseline Change Requests

BCR-PRC-15-026R0 – *Schedule Health Adjustments - March 2015*

BCR-PRC-15-030R0 – *HPIC Updates March 2015 - March 2015*

BCRA-PRC-15-029R0 – *Undistributed Budget Adjustments - March 2015*

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

-  Increased Confidence
-  No Change
-  Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
Executive Level Risks						
Explanation of major changes to the project monthly spotlight chart: Project monthly spotlight chart was updated to reflect corrective actions from Management Assessment "PC&PI-2015-MA-15016".						
Realized Risks (Risks that are currently impacting project cost/schedule)						
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat. Risk Handling Strategy: Avoid Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 40 days		Risk Event: CHPRC continues to experience higher than anticipated attrition for FY2015.			
			Risk recovery action(s)			
			Implement salary increase fund	Risk Date	FC Date	%
			Proposed PFP incentive program	FY2015	Complete	100
			Develop/implement CHPRC People Legacy Program		On-Going	N/A
			05/28/15	10		
Recovery Action Assessment: No slides to the forecasted mitigation dates. CHPRC continues to increase recruitment, and analysis of comparable markets for salary competitiveness. Potential problems exist pending funding profiles for other site contractors. No alternative course of actions needed at this time.						
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)						
No critical risks identified in the month of March.						
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)						
No high threat value risks identified in the month of March.						
Unassigned Risks (Pending ownership of identified risks/opportunities)						
CHPRC will conduct internal reviews to ensure risks are still valid. In cases where risk has passed/or is no longer valid CHPRC will no longer report, and close the risk in the database. In the event risk are still valid ownership will need to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.						

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.