

Monthly Performance Report

April 2015

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

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

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

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APPROVED

By Ashley R Jenkins at 10:35 am, May 26, 2015

Release Approval

Date

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J. A. Ciucci
President and Chief
Executive Officer

Monthly Performance Report

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

April 2015
CHPRC-2015-04, Revision 0

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EXECUTIVE SUMMARY

- CH2M HILL Plateau Remediation Company advanced cleanup throughout the Hanford Site during the month of April. Major accomplishments included:

- o At the Plutonium Finishing Plant (PFP), crews removed the last pencil tank from the Plutonium Reclamation Facility (PRF). This removes a hazard from the building and allows crews to now focus on cleaning out the PRF canyon and preparing it for demolition.



PFP employees celebrate sealing out the last pencil tank from the PRF

- o Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) completed the 60 percent design review of the Waste Encapsulation and Storage Facility (WESF) ventilation upgrade project, with 90 percent design review scheduled to be complete by the end of May. The project also reached 80 percent completion of the debris relocation effort at the bottom of the 100K West basin. This effort will clear space in the bottom of the basin for sludge removal equipment.
- o The Soil and Groundwater Remediation Project (S&GRP) completed additional concrete placement and pipeline well rack installations for the new uranium treatment train being installed at the 200 West Pump-and-Treat facility and provided Draft Rev 0 of the 100D and H Proposed Plan to Ecology for legal review.



Tank work to support uranium treatment expansion at S&GRP

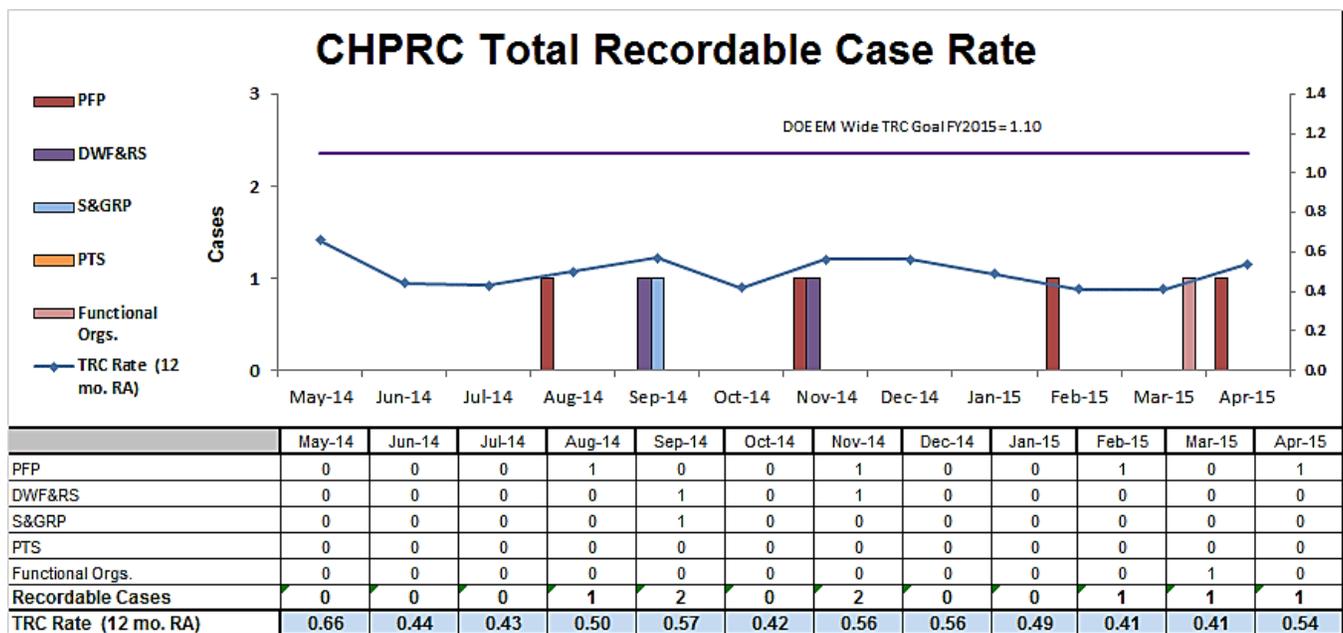
- The President’s Zero Accident Council (PZAC) meeting for April 2015 was hosted by the Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project. The three main themes for the meeting were:
 - Beat the Heat; Spring into Heat Stress Prep
 - Bugs and Critters are Springing Into Action
 - Make It a Green Spring Cleaning & Earth Day
- Four “*Thinking Target Zero*” (TTZ) bulletins were published in April to convey important occupational safety, health and environmental messages:
 - Environmental Management System (EMS): Compliance
 - Voluntary Protection Program (VPP) Steering Committee
 - Summer Safety
 - Allergies and Insects
- One *Thinking Target Zero Special Safety Bulletin* on Encryption Protection, was published in April to provide information regarding options for handling Controlled Unclassified Information
- April *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - Window Safety
 - Safety in the Outdoors
 - Six Off Site Lessons Learned: Truck Driving Fatal Accident; Housekeeping Slips, Trips and Falls; Fractured Rib Resulting From a Fall; Fatality From Asthma Exacerbated by Dust Exposure Inside a Tank; Ladder Pre-Use Inspections; and Proper Outrigger Pads for Cranes
 - Hard Hat Recycling
 - Sharing the Road
 - Mercury Spill Cleanup Requirements
 - Safety & Industrial Hygiene Hotline
 - Earth Day 2015
 - Household Hazardous Waste Collection
 - EMS Recertification Audit
 - “What Would You Do?” Ethics Awareness messages
 - Injury/Illness Summaries and the TTZ of the week
- April Weekly Updates featured blogs that highlighted safety, health and ethical achievements:
 - John Ciucci, Chief Executive Officer, and Mike Swartz, Vice President of PFP, applauded the safe and compliant removal of a heavily contaminated glove box from the McCluskey Room and all of the pencil tanks from the Plutonium Reclamation Facility (PRF) canyon
 - General Counsel Mel Hatcher announced CH2M HILL was named one of the “World’s Most Ethical Companies” by Ethisphere Institute for the seventh time.
 - Kelly Wooley, acting Vice President of DWF&RS, provided a status on the safe relocation of debris at the 100K West basin to facilitate the use of sludge removal equipment
- The April Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:



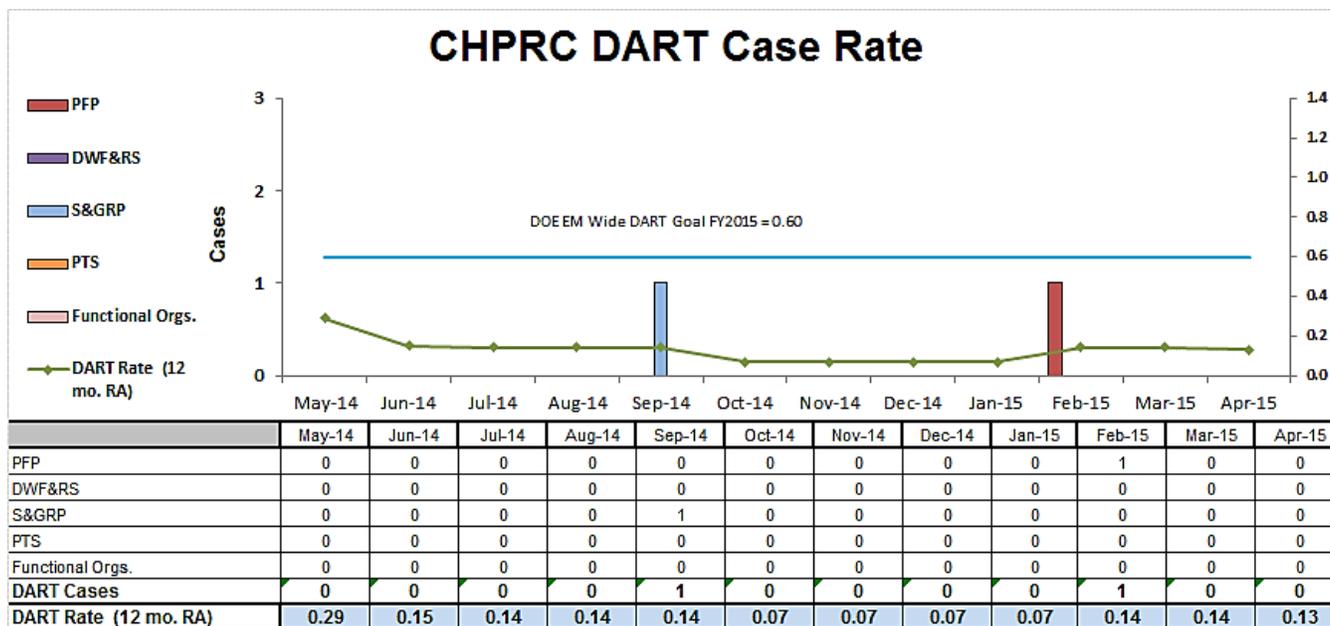
- o A DWF&RS employee whose quick action avoided a potential vehicle crash by alerting a vehicle driver, whose vision was temporarily impaired by the sun, of another oncoming automobile
- o The 100KE Borehole team who went before the Hazard Review Board (HRB) and demonstrated incredible expertise in their area, showing a great understanding for the hazards and the right controls for the job
- o An employee and his wife who stopped to render aid and assistance after a head-on accident on Highway 240
- o The CH2M After School Matters team who partnered with Mission Support Alliance (MSA) to teach elementary school students about safety and allow the children to experience some of the work that happens on the Hanford Site

TARGET ZERO PERFORMANCE April 2015

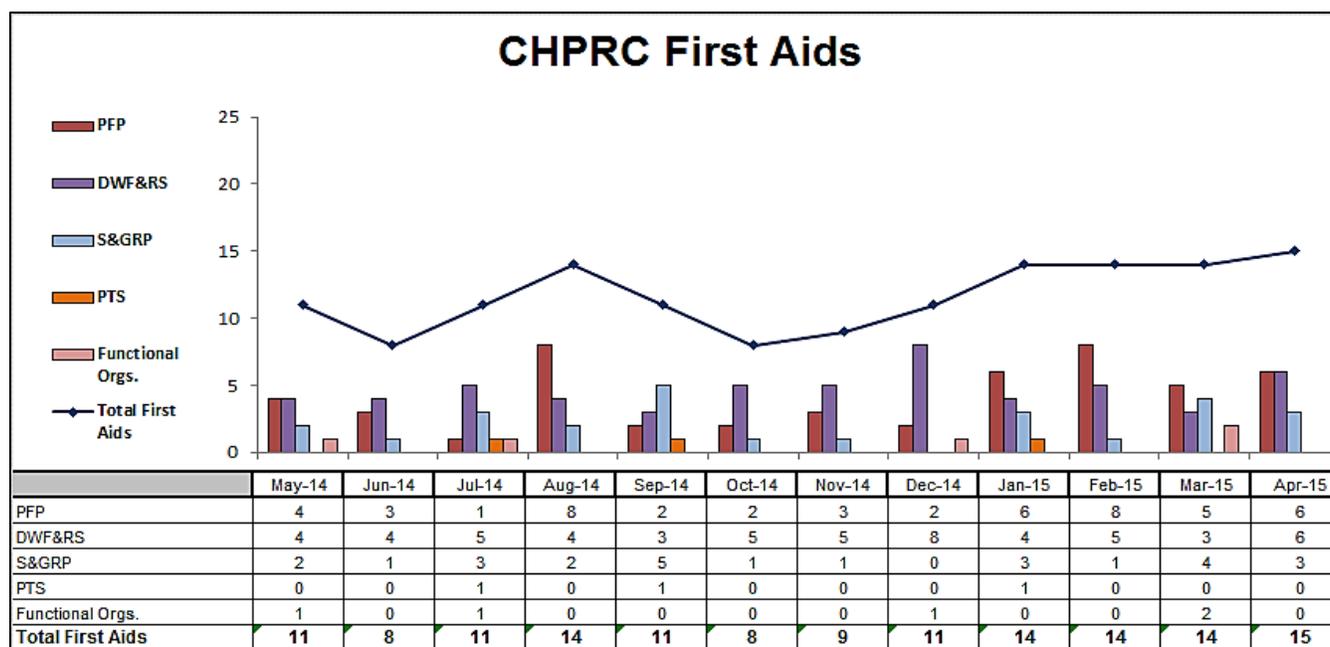
CHPRC continued focusing on integrating and implementing safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate: The 12 month rolling average TRC rate of 0.54 is based on a total of eight Recordable injuries. There was one case upgraded to Recordable for March and one Recordable case for April. There are no cases currently being evaluated or investigated for potential recordability.



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



First Aid Case Summary: CHPRC reported fifteen first aid cases in April 2015; of these 15 cases, nine cases required no treatment. There were two self-treated injuries. The contributors were eleven sprains/strains/pains, two abrasions/contusions, one insect bites/stings and one cut/laceration.

KEY ACCOMPLISHMENTS

Projects

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

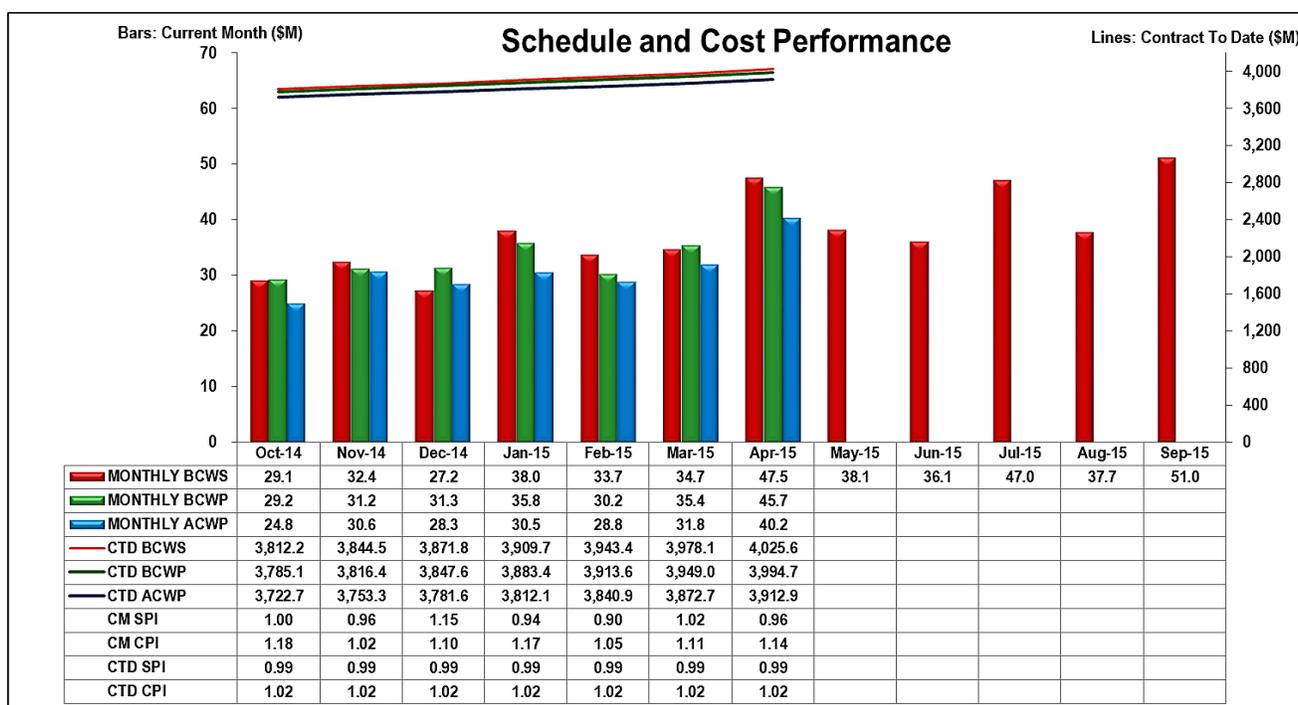
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M						\$M					\$M		
	Current Period			Contract to Date			Contract to Date			Contract Period				
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost	Actual Cost	Variance		BAC	EAC	Variance		
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	11.1	11.6	10.3	0.5	1.3	793.3	762.6	798.8	(30.7)	(36.1)	938.7	959.0	(20.3)	
RL-0012 - SNF Stabilization & Disposition	7.6	7.6	6.7	0.1	0.9	479.5	483.0	491.5	3.5	(8.5)	696.1	710.9	(14.8)	
RL-0013 - Solid Waste Stab & Disposition	12.6	11.7	8.6	(0.9)	3.1	937.8	938.5	889.8	0.7	48.7	1,359.4	1,282.2	77.2	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	13.9	12.7	12.4	(1.2)	0.3	1086.9	1082.9	1067.4	(3.9)	15.6	1,535.2	1,497.5	37.7	
RL-0040 - Nuc Fac D&D - Remainder	1.5	1.3	1.1	(0.2)	0.2	395.8	395.4	364.5	(0.4)	31.0	456.4	421.7	34.7	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.7	0.6	0.9	(0.1)	(0.3)	313.1	313.0	285.3	(0.1)	27.7	397.8	369.3	28.5	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	(0.0)	0.1	19.3	19.2	15.7	(0.1)	3.5	26.6	20.0	6.6	
Total	47.5	45.7	40.2	(1.8)	5.5	4,025.6	3,994.7	3,912.9	(31.0)	81.8	5,410.2	5,260.6	149.6	

(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 \$149.6 million with \$78.4 million of Management Reserve for a total positive variance of \$228 million.

For April, the project was 3.8 percent behind schedule and 12.1 percent under planned cost. For FY2015, the project was 1.5 percent behind schedule and 9.9 percent under planned cost. The schedule variance is within reporting thresholds. The favorable cost variance is primarily due to implementation of BCR-013-15-009R0 - *Additional Certification of Large/Small Container CH TRUM and/or CHTRUM and/or RH TRUM*. This added \$1.8 million of BCWS/BCWP associated with a recent contract change, adding scope for a shipment of a large waste box to PermaFix Northwest for repackaging, where actual costs were previously incurred.

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	119.6	8.7
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	85.7	79.4	6.3
RL-0013	Waste and Fuels Management Project	101.5	91.6	9.9
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.5	134.7	2.8
RL-0040	Nuclear Facility D&D, Remainder of Hanford	15.5	14.0	1.5
RL-0041	Nuclear Facility D&D, River Corridor	9.6	8.4	1.2
RL-0042	Fast Flux Test Facility Closure	1.4	1.2	0.2
Total Base:		479.4	448.8	30.7

Funds/Variance Analysis

FY2015 expected funding reduced slightly in April from \$479.5 million to \$479.4 million to reflect an IEWO in PBS RL-0030 to Savannah River for a Sampling and Analysis Plan. The FY2015 Spend Forecast was increased \$1.6 million, primarily in support of RH/Large Box Repack in PBS RL-0013.

BASELINE CHANGE REQUESTS

In April 2015, CHPRC approved and implemented eleven (11) 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-012-15-004R0	<i>Establish CAP 15-D-401, KW Basin Sludge Removal Project</i>	This BCR creates new WBS elements to establish CAP 15-D-401, KW Basin Sludge Removal Project. This BCR did not change the PMB value.
BCR-013-15-007R0	<i>Delay T Plant Cell Cleanout Planning Package</i>	This BCR defers the Planning Package for T Plant cell cleanout from June 2015 to August 2015 due a slower than anticipated ramp-up of staff for the T Plant ramp up work scope. This BCR did not change the PMB value.
BCR-013-15-009R0	<i>Additional Certification of Large/Small Container CH TRUM and/or RH TRUM Waste</i>	This BCR incorporates DOE-RL's authorization to increase additional Certification of Large/Small container CH TRUM and/or RH TRUM Waste up to \$17 million and offsets that increase by removal of scope associated with 200 Area ETF operations. This BCR did not change the PMB value.
BCR-013-15-010R0	<i>Move Balance of ETF Budget to Undistributed Budget</i>	This BCR moves the balance of the budget related to ETF operations to Undistributed Budget, pending RL direction on the disposition of that portion of the PMB. This BCR did not change the PMB value.
BCR-013-15-011R0	<i>Cs/Sr Dry Storage Planning Package Adjustment</i>	This BCR defers the start of two Cs/Sr Planning Packages (PP) from June 1, 2015 to October 1, 2015 due to these activities not being supported in FY2015 by the Integrated Priority List (IPL). This BCR did not change the PMB value.
BCR-030-15-015R0	<i>CO #266, 200-BP-5 OU Construction and O&M of Transfer Pipelines</i>	This BCR incorporates the scope associated with CO #266, 200-BP-5 OU Construction and O&M of Transfer Pipelines up to the NTE value authorized by DOE-RL of \$1 million. This BCR increased the PMB by \$993K.
BCR-030-15-017R0	<i>PBS RL-030 Schedule Health Updates - April</i>	This BCR incorporates schedule health revisions for PBS RL-030 into the PMB. This BCR did not change the PMB value.
BCR-040-15-003R0	<i>Preliminary Design for the REDOX Roof Replacement</i>	This BCR incorporates the preliminary design for the REDOX Roof Replacement into the PMB up to the \$500K value authorized by DOE-RL. This BCR increased the PMB by \$500K.
BCR-041-15-008R0	<i>KE Boreholes Analytical Support Re-planning</i>	This BCR modifies the PMB to reflect reduced requirements for 222-S Laboratory analytical support and adds off-site analytical laboratory support. This BCR did not change the PMB value.
BCR-PRC-15-028R0	<i>Definitization of CO #260, 100-NR-2 Operable Unit Bioventing System</i>	This BCR incorporates the definitization of Change Order #260, 100-NR-2 Operable Unit Bioventing System, via Contract Modification 394. This BCR decreased the PMB by \$350K.
BCR-PRC-15-031R0	<i>Undistributed Budget Adjustments April 2015</i>	This BCR incorporates changes to Undistributed Budget for baseline changes processed and contract modifications received during the month of April. This change decreased the PMB by \$6,890K.

Overall, the contract Performance Measurement Baseline budget decreased \$5,747K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	N/A	2015 - 2018	N/A

There were no changes to Management Reserve during April.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	2015 - 2018	N/A

There were no changes to Fee during April.

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):

April 2015 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
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
April 2015 Change									
PMB									
Change to PMB	0	0	-550	-22,250	-24,236	41,289	-5,747	-5,747	-5,747
MR									
Change to MR	0	0	0	0	0	0	0	0	0
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	-550	-22,250	-24,236	41,289	-5,747	-5,747	-5,747
April 2015 Estimate									
PMB	3,391,477	391,653	452,410	436,224	352,145	386,263	2,018,695	5,410,172	5,410,172
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	472,122	477,024	381,451	433,486	2,170,061	5,717,041	5,717,041

Changes to/Utilization of Management Reserve in April 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
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
April 2015 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
April 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 -4/30/2015				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
	\$ Value	%	Goal %	Contract-to-date awards:	\$2,211,144,920
				Bal remaining to award:	\$195,705,640
				Goal award\$	Bal to Goal
SB	\$1,130,514,346	51.13%	49.3%	\$1,186,577,326	\$56,062,980
SDB	\$195,385,387	8.84%	8.2%	\$197,361,746	\$1,976,359
SWOB	\$221,427,561	10.01%	7.5%	\$180,513,792	-\$40,913,769
HUB	\$39,968,187	1.81%	2.2%	\$52,950,712	\$12,982,525
VOSB	\$134,877,129	6.10%	3.5%	\$84,239,770	-\$50,637,360
SDVO	\$68,332,013	3.09%	1.3%	\$31,289,057	-\$37,042,956
NAB	\$32,784,871	1.48%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
Large	\$591,517,620	26.75%	N/A		
GOVT	\$2,202,113	0.10%	N/A		
GOVT CONT	\$482,866,522	21.84%	N/A		
EDUCATION	\$97,865	0.00%	N/A	Total Contract (mod 393):	\$5,696,680,278
NONPROFIT_	\$3,633,460	0.16%	N/A	17% rqmt:	\$968,435,647
FOREIGN	\$312,994	0.01%	N/A	SB actual:	\$1,130,514,346
Total	\$2,211,144,920	100.00%	N/A	Bal to rqmt	-\$162,078,699

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.2 billion in goods and services with over 51 percent going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93 percent of the total dollars arise from service and staffing contracts and contract amendments with five percent of the remaining expenditures arising from P-Card purchases and the balance in purchase orders for materials and equipment.
3. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



J. M. Swartz
Vice President for
PFP Closure Project

April 2015
CHPRC-2015-04, 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	1	221 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	440	19,221 feet
Process Vacuum Piping Dispositioned	82	2,627 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	9	185 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	15	72 m ³
TRU/TRU-M Shipped	49 m ³	1,633 m ³
LLW/MLLW Shipped	47 m ³	6,218 m ³

The removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is at 96 percent complete.

- Transmitted the HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Rev 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Rev 12 to DOE-RL for approval
- Completed size reduction and seal out of 236-Z Pencil Tanks WE-1/WM-1 (five units)
- Dispositioned Pencil Tanks 120/123 (five units) and 124/125 (four units)
- Completed size reduction and removal of WT-2 Glovebox in the 242-Z Control Room
- Continued size reduction of WT-1 Glovebox in the 242-Z Control Room
- Removed 440 feet of asbestos
- Removed 553 feet of E-4 ducting from 234-5Z Duct Level
- Removed 82 feet of process vacuum line from 234-5Z Duct Level
- Removed Filter Boxes FB-1-N and FB-1-S from 234-5Z

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	1	4	<ul style="list-style-type: none"> 4/6/15 - Employee's rubber boot was pulled off by sticky substance on the floor, causing employee to slip and almost fall. Employee had pain in left foot and ankle and was transported to the Kadlec Emergency Room. The employee was examined and diagnosed as having a left ankle sprain and released to return to work with restrictions. (23634)
First Aid Cases	6	50	<ul style="list-style-type: none"> 4/1/15 - Employee opened a job box when the lid folded outward and struck their head. The employee was taken to HPMC and returned to work with no restriction. (23633) 4/13/15 - Employee came through a door and struck their hand on it. The employee was taken to HPMC and was released to return to work without restriction. (23635) 4/21/15 - Employee was climbing a ladder when they struck their head on a filter box. The employee was taken to HPMC and returned to work with no restriction. (23646) 4/22/15 - Employee was performing a belt tensioning when a bolt fractured, causing a loss of balance and fall to ground. The employee was taken to HPMC and returned to work without restriction. (23649) 4/27/15 - Employee was descending scaffold and developed arm pain. The employee was taken to HPMC and returned to work without restriction. (23656) 4/30/15 - Employee's hand slipped, hitting the flat surface of a door and causing a cut on their finger. The employee was taken to HPMC and returned to work without restriction. (23658)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant Plutonium Finishing Plant (PFP)

- Transmitted the HNF-15500 "Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis" Rev 12 and HNF-15502 "Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements" Rev 12 to DOE-RL for approval

11.05 Disposition PFP Facility

242-Z

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

234-5Z

- RMC Line

- o Completed configuring 234-5Z for In-situ Size Reduction, starting on glovebox HC-9B in the RMC Production Line
- Backside Rooms
 - o Removed hoods 159-1 and 159-2 from room and turned over to Solid Waste Organization for final disposition
- Duct Level
 - o Removed 440 feet of asbestos
 - o Removed 553 feet of E-4 Ducting
 - o Removed 82 feet of process vacuum line
 - o Removed Filter Boxes FB-1-N and FB-1-S

236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
 - o Completed size reduction and seal out of WE-1/WM-1 Pencil Tank Units (five units) from 236-Z. This completed the size reduction and seal out efforts for this scope of work.
 - o Dispositioned Pencil Tanks 120/123 (five units) and 124/125 (four units)

MAJOR ISSUES

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

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

Status – The DSA/TSR Rev 12 was submitted to RL for approval on April 29, 2015. A draft of the implementation plan has been initiated.

Issue – Tight fitting respirators were found with resin beads in them, which was caused by 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 after 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. The stop work was lifted after all of the FireHawk respirators had been inspected. This issue will be closed in the month of May.

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

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

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

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

- Increased Confidence
- No Change
- Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-011/WBS-011																		
Explanation of major changes to the project monthly spotlight chart: 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. <table border="1" style="width: 100%;"> <thead> <tr> <th>Risk recovery action(s)</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>05/11/15</td> <td>95</td> </tr> </tbody> </table> Recovery Action Assessment: Final comment resolution is slated to complete in mid-May . This impact does not result in any schedule and cost impacts. No alternative course of actions needed at this time.	Risk recovery action(s)	Risk Date	FC Date	%	Complete final comment resolution from DOE-RL.	01/05/15	05/11/15	95						
Risk recovery action(s)	Risk Date	FC Date	%															
Complete final comment resolution from DOE-RL.	01/05/15	05/11/15	95															
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	The regulatory interpretation of "may contain significantly less than 1 kg" of material within the PFP complex will lead to significantly more MAR removal than planned and could require unauthorized activities (e.g., slab removal), necessitating delays to prepare and approve environmental documents to supplement the existing CERCLA removal action, resulting in schedule delays, and cost impacts. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$4M, 80 days			Risk Event: Presented CHPRC "white paper" to 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" style="width: 100%;"> <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" style="text-align: center;">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 formal REA</td> <td>08/27/15</td> <td>0</td> </tr> </tbody> </table> Recovery Action Assessment: Initiated development of a ROM estimate to physically remove the slabs, at RL request. Received formal letter from RL requesting submittal of a formal proposal to perform slab removal activities. Development of an informal estimate is under development and is expected to be presented to DOE in early June for their consideration.	Risk recovery action(s)	Risk Date	FC Date	%	Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100	Develop a white paper for DOE-RL (Environmental has the lead) for concurrence	Complete	100	Submit formal REA	08/27/15	0
Risk recovery action(s)	Risk Date	FC Date	%															
Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100															
Develop a white paper for DOE-RL (Environmental has the lead) for concurrence		Complete	100															
Submit formal REA		08/27/15	0															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-011/WBS-011																						
PFP-GB-11: Premier System/Suit Training	<p>Identified D&D field teams are not fully trained or qualified to operate Premire system or wear Premire suits resulting in schedule delays.</p> <p>Risk Handling Strategy: Accept</p> <p>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.</p>	↔		<p>Risk Event: In the month of January, risk was realized when concerns related to the FireHawk respiratory masks were identified, resulting in management stop 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>Issues/Lift stop work associated with all UNITEC masks</td> <td rowspan="4">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>07/31/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Issues related to the masks laundered by UniTech impacted the 234-5Z KPP glovebox teams' ability to train due to concerns related to the masks. Once concerns were resolved, priority was focused on 242-Z, and training took place 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. A secondary contract is expected to be in place no later than the end of July 2015. This slide will not result in any field delays.</p>	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.	07/31/15	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.		07/31/15	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)																						
PFP-092: Increased Characterization	<p>Source term uncertainties increase the need for characterization above what is planned for cost and schedule, resulting in cost impacts and schedule delays.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 45 days</p>	● ↔		<p>Risk Trigger: Will continue throughout project lifecycle until Demolition activities commence.</p> <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>05/29/15</td> <td>80</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> <p>Mitigation Assessment: Forecasted mitigation date for characterization develop slipped during the month of April; however, this slip does not impact field work, and there are 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	%	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).	05/29/15	80	Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0						
Mitigation action(s)	FC Date	%																				
Identify characterization coordinator to perform field characterization/sampling.	Complete	100																				
Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	05/29/15	80																				
Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0																				
FY 2015 Risk Triggers (Risk could be realized in FY 2015)																						
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	<p>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.</p> <p>Risk Handling Strategy: Control</p> <p>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.</p>	● ↔		<p>Risk Trigger Metric: 07/06/2015</p> <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> <p>Mitigation Assessment: Additional MAR removal may be required based on PNNL Air Dispersion model. This would impact cost, and result in prioritization of MAR removal activities. No alternative course of actions needed at this time. The initial draft of the revised Air Dispersion Model is expected to be received mid-June 2015.</p>	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	0	Deploy teams from non-critical path work scope to reduce schedule impacts.	09/30/15	0
Mitigation action(s)	FC Date	%																				
Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100																				
Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100																				
Work with regulators to identify controls to allow for equipment removal and demolition as planned.	07/15/15	0																				
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																				

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: 07/09/16		
				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 April.						

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	11.1	11.6	10.3	0.5	4.6%	1.3	11.0%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (+\$0.5M/+4.6%)

The current month favorable schedule variance is within reporting thresholds.

CM Cost Variance: (+\$1.3M/+11.0%)

The current month favorable cost variance focuses primarily on the productivity of the field work team completing Pencil Tank size reduction with less effort than was originally projected, as well as a reduction in required system engineering support for vital safety systems maintenance and additional 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	793.3	762.6	798.8	(30.7)	-3.9%	(36.1)	-4.7%	938.7	959.0	(20.3)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Variance (-\$30.7M/-3.9%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance(-\$36.1M/-4.7%)

The Cost Variance is within reporting thresholds.

Variance at Completion (-\$20.3M/-2.2%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.4	119.6	8.7

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 of \$128.4 million remained constant for April. The Spend Forecast was unchanged from the prior month and remained at \$119.6 million.

Critical Path Schedule

The PFP critical path drives through the completion of the column glovebox preparation for removal, transitioning to the draining and fixing of the 234-5Z drain lines, leading to 234-5Z becoming ready for demo and, finally, demolition of 234-5Z and completion of the final Tri-Party Agreement milestone – M-083-00A - *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCRA-PRC-15-032R0 - *HPIC Updates April 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		6/21/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable. NOTE: This TPA Milestone has changed to “Complete significant progress on removal of gloveboxes and disposal of 236-Z Pencil Tanks. This will be updated with a BCR in May reporting.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		7/19/16	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)

April 2015
CHPRC-2015-04, 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 ECRTS technical team is executing direction confirmed by RL in Letter DOE-RL: 15-NSD-0041_RL, “Conditions of Approval (COA) Closure Path Forward and Safety Design Basis Definition for the Sludge Treatment Project Engineered Container Retrieval and Transfer System.” The initial focus of re-establishing the design is updating models and calculations establishing inert gas flow-rates necessary to mitigate potential accident conditions.
- The ECRTS Project continued to process additional procurement packages and has fourteen packages in the formal acquisition process
- 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 resolving fire proofing punch list items, electrical installations, installation of door frames, installation of hydronic system, HHH concrete doghouse installation, mechanical installations and instrument air installations

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	4	27	<ul style="list-style-type: none"> Employee fell while descending stairs, bruising left knee. Body part affected: Knee. (23630) Employee received an insect bite to the wrist. Body part affected Wrist. (23637) Employee strained back while loading soft waste bags into ERDF container. Body part affected: Back. (23638) Employee sprained ankle while unloading truck. Body part affected: Ankle. (23659)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement issued Request for Proposals for procurement sets 9, 10 and 14 Safety Significant Retrieval and Transfer System Components to Safety Significant (SS) Basic Ordering Agreement holders. Completed technical evaluations on the proposals from the SS BOA holders for procurement set 12 and 13.
- Annex Construction completed tie-in and flush of the 100K Facility Fire Loop to the Annex, rough in of the fire alarm conduit installation in high bay, re-installation of overhead door, and installed the backflow preventer for the Annex fire system
- K Basin and Annex Equipment Design completed Facility Modification Packages for removing interferences for XAGO panel and installation of XAGO pump skid and flocculent skids, and completed engineering package #11 for installation of a truck scale
- Complete T Plant Canyon entry for reconnaissance to take measurements, photographs, and informational notes to support pending T Plant modification work scope
- The 105KW Basin pool mockup at MASF was drained, cleaned, and re-filled in preparation for operator familiarization activities and subsequent receipt and installation of production equipment for ECRTS cold commissioning. Completed assembly of the reconfigured auxiliary nitrogen purge system and vent tubing test article.
- 100K Min Safe Engineering received, inspected, and accepted four ion exchange modules

- 100K Operations completed:
 - o Replacement of Integrated Water Treatment System High-Efficiency Particulate Air (HEPA) filters and vent and balance testing
 - o Work to establish the overflow parking lot adjacent to 105KW to resolve an open safety issue with congestion in the area
 - o Relocation of “white iron” in 105KW Basin to support clearing the ECRTS footprint
 - o Installation of bottle rack in Corridor 5, which was the result of worker team to design, locate, and install
 - o Shipment of spent Ion Exchange Column to burial
 - o Facility preparations at 189K to support construction contract to replace the Clearwell Tank
 - o Completed 1803 raw water storage tank roof repairs

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:																		
During the month of April, RL-012 conducted risk register reviews to prepare for an upcoming ICE/EIR. Several risks were characterized and retitled to reflect new risk breakdown structures.																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
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 (e.g., quality, nuclear standards and requirements, safety, subcontractor management, NRTL, suspect counterfeit), 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: \$10 million, 240 days		Risk Event: Albi Clad repairs and associated impacts on mechanical and electrical contractor delays, and recent delays by the General Contractor with the closeout of various NRC conditions (e.g., various bolt-related issues/conditions) and material and procurement delays have impacted the critical path schedule. Material procurement delays have impacted the fire piping installation, ductwork installation, and impacted critical path electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room.	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 60%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 20%;">%</th> </tr> </thead> <tbody> <tr> <td>Request Contractor Status Report</td> <td rowspan="3" style="text-align: center;">05/08/12</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)</td> <td style="text-align: center;">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	Complete	100	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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Develop Correction Action Plans		On-Going	N/A															
Recovery Action Assessment: CAP’s and other historical corrective actions have not been effective. Therefore, the CHPRC project team continues to press on resolution of the various emergent issues in the weekly forums that are already scheduled (i.e., QA, Engineering, POD/POW, FEC Interface Meeting, and Management Forums). Albi Clad is 95 percent complete in the field. Fire seals at the intermediate bay continue to hold up the change room installation. Electrical and Mechanical material procurement of SS components that caused the majority of the delays is 95% complete. Fire Piping installation recovery complete. CHPRC continued to work contract close out with cost price staff and third party auditors. Third party auditor contract has been awarded and is getting engaged in the closeout preparation process. Subcontract status request was received. Expect to issue “To Go” change by end of May.																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-012/WBS-012																					
STP-120-A: Annex Construction - Design & Design Engineering During Construction (Title III)	<p>Improper, imprecise, missing design details, field interferences, and as-found conditions identified during construction will require clarification and rework of design media. Related risk exists that changes in engineering processes, engineering codes or standards (e.g., code of record), other requirements (e.g., PDSA, FHA), or changes in other site processes or procedures (e.g., H&R, OS&IH, L&T) will also impact construction execution. These changes are eminent and outside the projects control.</p> <p>Risk Handling Strategy: Control</p> <p>Probability: Likely (75% to 90%) Worst Case Impacts: \$9M, 270 days</p>	↔		<p>Risk Event: Design change affected field activities since September 2012 with corrective action plans completed in February 2013. In addition, the ability to address improper, imprecise, or missing design details was negatively impacted by losing resources to WRPS.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement all feasible design and field engineering corrective actions</td> <td rowspan="3">01/01/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete mechanical engineer requisition</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Determine DNCs phase implementation</td> <td>06/15/15</td> <td>50</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Monitor A/E performance and field engineering facilitating where possible. Overall recovery was challenged by recent loss of ME Field Engineer, Design Authority (i.e., Ventilation Systems) and STP FPE assigned to the Annex Construction. Replacement requisition issued for field ME. Interviews in process. Quality candidates are not readily available. Backfilling for other resources will take several months.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Implement all feasible design and field engineering corrective actions	01/01/15	Complete	100	Complete mechanical engineer requisition	Complete	100	Determine DNCs phase implementation	06/15/15	50			
Risk recovery action(s)	Risk Date	FC Date	%																		
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STP-119-A: Annex Construction - 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>Complete</td> <td>100</td> </tr> <tr> <td>Develop estimate on the "To Go Costs"</td> <td>05/18/15</td> <td>50</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>05/30/15</td> <td>75</td> </tr> <tr> <td>Incurred Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td>06/30/15</td> <td>75</td> </tr> </tbody> </table> <p>Recovery Action Assessment: CHPRC has initiated contract closeout actions. Internal cost price staff engaged, audit plan developed and FAR compliant auditors will be scheduling review meetings with the general contractor. Expect to issue "To Go" change by end of May.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Issued Subcontractor Status Request Matrix	02/01/15	Complete	100	Develop estimate on the "To Go Costs"	05/18/15	50	Document changes into Phase I or Phase II completion buckets	05/30/15	75	Incurred Costs have been submitted by Contractor – CHPRC is reviewing.	06/30/15	75
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STP-121-A: Annex Construction - Inclement Weather & As-Found Conditions	<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></th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>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. Additional sampling implemented and continue to wear FF. Additional samples requested. Risk recovery action(s)</td> <td></td> <td></td> <td></td> </tr> <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: Events are emergent and will be addressed as they emerge. Risk is accepted and will be monitored throughout the lifecycle of the project.</p>		Risk Date	FC Date	%	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. Additional sampling implemented and continue to wear FF. Additional samples requested. Risk recovery action(s)				Events are emergent and addresses as they emerge (i.e. corrective actions)	On-Going	On-Going	N/A					
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Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																
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RL-012/WBS-012																				
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%)</p> <p>Worst Case Impacts: \$1.5M, 120 days</p>	↓	<p>Risk Event: A PDSA Safety Evaluation Report (SER) containing three Conditions of Approval (COAs) was transmitted to CHPRC on February 5, 2015, (1500632/15-NSD-0027_RL). RL has requested submittal of a new or revised STSC headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiatives for spray leak methodology/spray leak control and for sludge layering have been approved, which will allow design modifications and related procurements to begin. All design changes will be reviewed through the USQ-Like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="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>15</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. Although CHPRC submitted an NOC via CHPRC-1501242, dated March 19, 2015, DOE RL denied a change occurred via 15-AMRP-0142.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRTS Design and PDSA.	09/30/15	15	Resubmit the updated PDSA to DOE RL for approval.	09/30/15	0
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STP-123-T: T-Plant - Design Maturity	<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%)</p> <p>Worst Case Impacts: \$390K, 64 days</p>	↑	<p>Risk Event: The risk is being realized based on constructability reviews of the FMPs. The impacts associated with this are the additional cost and resources associated with correcting design errors and providing constructability aids, conducting material take offs, resulting in a lower cost underrun for performing the original design. 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="3">03/03/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete PTS Construction Review w/Drawings and Specifications</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW</td> <td>07/07/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: No slides to the forecasted recovery dates. No additional foreseeable impacts then those noted above in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions are needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	Complete	100	Complete PTS Construction Review w/Drawings and Specifications	Complete	100	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW	07/07/15	0			
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Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		07/07/15	0																	
STP-073-A: OPP: Process Less Than 24 STSC's	<p>The Project is able to reduce the number of STSCs 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%)</p> <p>Worst Case Impacts: \$3M, 80 days</p>	↔	<p>Opportunity Event: Opportunity realized, and will no longer be reported; however, this opportunity will continue to be monitored.</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)																				

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-012/WBS-012																						
STP-072: Delayed STSC/ECRTS Procurement & Delivery	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. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 120 days	●	↔	<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						
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Promptly address fabrication challenges so consequences are minimized.	On-Going	N/A																				
FY 2018 Risk Triggers (Risk could be realized in FY2018)																						
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	●	↔	<p>Risk Trigger: Will commence in FY2018 and continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.</td> <td>06/30/17</td> <td>5</td> </tr> <tr> <td>Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.</td> <td>07/27/17</td> <td>0</td> </tr> <tr> <td>Utilize overtime as needed, or if required, to respond to events</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: Forecasted mitigation dates are 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.</p>	Mitigation action(s)	FC Date	%	Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.	06/30/17	5	Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	07/27/17	0	Utilize overtime as needed, or if required, to respond to events	On-Going	N/A						
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Utilize overtime as needed, or if required, to respond to events	On-Going	N/A																				
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	●	↔	<p>Risk Trigger: Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Review lessons learned from NLOP sludge retrieval.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.</td> <td>09/30/16</td> <td>50</td> </tr> <tr> <td>Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.</td> <td>8/15/18</td> <td>20</td> </tr> </tbody> </table> <p>Mitigation Assessment: No 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.</p>	Mitigation action(s)	FC Date	%	Review lessons learned from NLOP sludge retrieval.	Complete	100	Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.	Complete	100	Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.	Complete	100	Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.	09/30/16	50	Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20
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High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																						

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
RL-012/WBS-012						
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.		
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	The path forward for sludge storage (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	7.6	7.6	6.7	0.1	1.0%	0.9	11.7%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (\$0.1M/1.0%)

Variance is within reporting thresholds.

CM Cost Performance (\$0.9M/11.7%)

The CM positive variance is the result of the 100K Program Management account under-running. This is 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 cutbacks to min safe in FY2014 and the work continues to be maintained by min safe level resources, resulting in cost under-runs. In addition, ECRTS procurement fabrication contracts have been awarded below baseline values, resulting in a positive CV.

Contract-to-Date (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	479.5	483.0	491.5	3.5	0.7%	(8.5)	-1.8%	696.1	710.9	(14.8)

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (\$3.5M/0.7%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$8.5M/-1.8%)

Variance is within reporting thresholds.

Variance at Completion (-\$14.8M/-2.1%)

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	79.4	6.3

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

Projected funding for PBS RL-0012 remained unchanged from the prior month. The Spend Forecast was unchanged from the prior month and remained at \$79.4 million.

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)

April 2015
CHPRC-2015-04, 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 90 percent design and initiated a formal design review. Also, the W-130 project continued efforts to update the Hazard Analysis, Documented Safety Analysis, and Technical Safety Requirements based on final design. The project successfully completed transition of ETF to WRPS on March 30, 2015, which was completed on schedule and was an RL FY2015 KPG. In addition, the project shipped two Fiberglass Reinforced Plywood waste boxes (FRPs) from the Central Waste Complex Outdoor Storage Area to PermaFix Northwest for processing.

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	2	23	<ul style="list-style-type: none"> Employee rolled ankle while securing tie down on FRP box. Body part affected: Ankle. (23640) Employee participated in drill requiring communications with cell phone. Upon completion of drill, started to feel soreness/stiffness in right shoulder. Body part affected: Shoulder. (23643)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Prepared letter to transmit Notices of Construction (NOCs) for 200W Caissons, Canister Storage Building (CSB) and T-Plant Permacon to Washington State Department of Health (WDOH)
- Progress was made on the Consent and Final Order (CAFO) closure plan with comment resolution for the FS-1 Treatment, Storage, & Disposal (TSD) closure plan

13.02 Capsule Storage & Disposition

- Performed/Completed:
 - Two-year K5 compound gauge pressure indicators calibrations

- o 30-day Pool Cell beta monitor loop verification
- o Annual cell and K1 filter Differential Pressure Indicators (DPIs) calibrations
- o Annual canyon crane remote controller inspections
- o 60-day test run of 282B deep well pump
- o Repair of wet surface fluid cooler number 2 spray pump motor control contactor
- o 30-day pool cell Area Radiation Monitor (ARM) functional test
- o Canyon entries in support of annual canyon crane structural/ mechanical/electrical PM's and corrective maintenance (Project W-130 Support)
- o Troubleshooting and repair of Automated Transfer Switch (ATS-1); repairs were unsuccessful, engineering is reviewing options
- o 39 PM work packages
- **WESF Stabilization and Ventilation Project (W-130):**
 - o Completed 90 percent design and initiated formal design review. Final design will be issued May 28, 2015.
 - o Continued update of Hazard Analysis, Documented Safety Analysis (DSA), and Technical Safety Requirement (TSR) based on final design
 - o Received Joint Evaluation Team approval of management assessment as appropriate level of startup readiness review
 - o Issued Request for Proposal for long-lead procurement of K3N heater assembly and received bids
 - o Initiated planning for failed capsule response plan activities in G Cell, F Cell manipulator removal, and G Cell manipulator reactivation
 - o Transmitted State Environmental Act of 1971 Environmental Checklist from CHPRC and DOE to Ecology
 - o Continued to work with RL and Ecology to resolve permit modification application issues
 - o Continued drafting Air Permit Phase 1 permit request for continued use of existing stack permit conditions for approval by WDOH

13.03 Canister Storage Building (CSB)

- Performed/Completed:
 - o Interim Storage Area (ISA) bird carcass/droppings survey and cleaning in container restraint system
 - o Fire water pump bearing replacement/repair
 - o Annual Multi-Canister Overpack (MCO) handling machine (MHM) fall restraint system and installation of access chain for fall protection
 - o Annual inspection of ISO/NAC-1 spent fuel containers
 - o Annual stack monitor detector calibration
 - o Monthly testing of gaseous effluent monitoring system (GEMS)-100 and filter change, Continuous Air Monitor (CAM), emergency light/GFCI, 2701 HV propane generator and monthly Radioactive Material Area (RMA) inspections
 - o Troubleshoot/repair of sample weld station crane lighting; swap-out of Area Radiation Monitors (ARMs) on Operations deck; inspection/adjustment of north truck lock 7-3-N K8 gate, as well as general rigging equipment inspections
 - o 30 PM work packages

13.04 TRU Repackaging

- Shipped two FRPs - 758DMAF11 and 762DMA22 from Central Waste Complex (CWC) to PermaFix Northwest (PFNW) for processing
- PFWN completed processing of FRP 758DMAF11

13.05 Waste Receiving and Processing Facility (WRAP)

- Repaired the failed air maintenance device at 2404WB. This closed out system restriction SR-15-035 and discontinued daily fire panel watches
- Surveillances/PMs:
 - o 32 TSR surveillances
 - o Six PM packages
 - o 64 Radiological (Rad) surveillances
 - o 33 Operational surveillances

13.06 T Plant

- Performed/Completed:
 - o 2400v breaker troubleshoot and repair
 - o 271T facility annual freight elevator inspection
 - o Annual Emergency Planning and Community Right-To-Know Act review
 - o 2706/TA one-year Atmosphere Clean-Up Train 1&2 High-Efficiency Particulate Air (HEPA) filter test (TSR)
- Surveillances/PMs
 - o Eight TSR surveillances
 - o 297 Rad surveillances
 - o 29 PM packages
 - o 134 Operational surveillances

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

- Performed/Completed:
 - o Overpacked drum WH79-185 in FS03
 - o Mining activities (removing specific drums from storage configurations) in 2404WA in preparation for future drum shipments to PFNW
 - o Placed backfill over small opening at the bottom of a degraded box in MWT31
 - o Annual 2404WA backflow preventer PM
 - o Critical Lifts to relocate two large boxes within OSA A in preparation to off load the Type X4 waste container from the support trailer
 - o Critical Lift to relocate the Type 4X from zone 7 to zone 16 in OSA A 1
 - o Hanford Fire Department (HFD) quarterly, semi-annual, annual, and bi-annual TSR testing in 2402WG, 2402WH, 2402WH, 2402WI, 2402WJ, 2402WK, and 2402WL
- Surveillances/PMs:
 - o Eight TSR surveillances
 - o 28 PM packages
 - o 224 Rad surveillances
 - o 185 Operational surveillances
- Shipments Received:
 - o Seven drums from PFNW to WRAP
 - o One box from PFNW to Mixed Waste Trench (MWT)

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

- Successfully completed transition of Facility to WRPS on March 30, 2015
 - o 44 key staff transferred from CHPRC to WRPS
 - o Resource Conservation and Recovery Act of 1976 (RCRA) Part A signed by Department of Ecology transferring co-operator from DOE/CHPRC to DOE/WRPS
 - o Property transferred from DOE-RL to DOE-ORP

- Received replacement Heat Exchanger from Vendor (delivered to ETF)
- Received remaining treated F039 Powder drums from Treatment Facility

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

- Awaiting award of bid pending Washington Closure Hanford Record of Decision “Explanation of Significant Difference” approval by U.S. Environmental Protection Agency
 - EPA reviewing ESD submittal with Department of Ecology

13.09 Integrated Disposal Facility

- Completed monthly inspections

13.10 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.11 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) FACP's were designed with limited abilities. Most FACP's 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). RL has provided additional authorization for \$17 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 with like components.

Corrective Action:

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

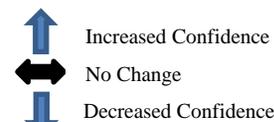
Status:

Replacement costs included in current Integrated Priority List reviewed by RL in February were not authorized. An updated Buy Back list is in development and planned to be reviewed by RL in May 2015. The project will continue to pursue available funding and investigating the associated 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.



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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-013/WBS-013																					
Explanation of major changes to the project monthly spotlight chart: 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)																					
WSD-125: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	A pause in waste processing results in an unexpected container degradation within SWOC (excluding TRU Retrieval activities) and require additional resources to respond. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 0 day		Risk Event: In November 2011, degraded containers were discovered in CWC.	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr style="background-color: #e0e0e0;"> <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>Perform daily/weekly waste container surveillances to identify container abnormalities.</td> <td rowspan="4" style="text-align: center;">10/01/11</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Manage a "watch-list" of waste containers that have shown signs of degradation or are associated with degraded containers.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Overpack degraded waste packages.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> <tr> <td>Process waste packages at a rate funded by DOE.</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table> Recovery Action Assessment: Project continued to perform daily/weekly container surveillances in the month of April 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 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
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																		
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		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.	<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr style="background-color: #e0e0e0;"> <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>Obtain additional resources to write the RCRA permit modification and TV</td> <td rowspan="3" style="text-align: center;">08/20/14</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Request Temporary Authorization to begin closure activities</td> <td style="text-align: center;">02/29/16</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Conduct workshops with Ecology and DOE to obtain early agreement on permit language</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> 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 on 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.	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)																					

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-013/WBS-013													
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$10M, 0 day	●	↔	Risk Trigger Metric: Will continue throughout contract (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A	Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A
				Mitigation action(s)	FC Date	%							
Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A											
Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A											
Mitigation Assessment: No 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.													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
Lifecycle Risk Triggers (Risk could be realized at any point of the project)													
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$48M, 0 day	●	↔	Risk Trigger: Will continue throughout project lifecycle (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A			
				Opportunity action(s)	FC Date	%							
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A											
Opportunity Assessment: No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.													
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.											

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-034: Safeguards Required for Caisson Waste	Wastes retrieved from 200 Area caissons are subject to material protection requirements (Safeguards & Security).	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.		
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.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
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.		
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.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
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	12.6	11.7	8.6	(0.9)	-7.1%	3.1	26.3%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.9M/-7.1%)

The current month unfavorable schedule variance is primarily due to a delay in the planned completion of Large Box (Shipment TC-120) processing by PFNW as scheduled in April. The processing is expected to complete in early May and be returned shortly thereafter.

CM Cost Performance (+\$3.1M/+26.3%)

The current period favorable cost variance is due to the continued implementation of planned efficiencies and the implementation of BCR-013-15-009R0, Additional Certification of Large/Small Container CH TRUM and/or CHTRUM and/or RH TRUM which added \$1.8 million of BCWS/BCWP associated with a recent contract change adding scope for a FY2014 September shipment of a Large Box to PFNW where actual costs were previously incurred.

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	937.8	938.5	890.0	0.7	0.1%	48.7	5.2%	1,359.4	1,282.2	77.2

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (+\$0.7M/+0.1%)

The schedule variance is within threshold.

CTD Cost Performance (+\$48.7M/+5.2%)

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

Variance at Completion (+\$77.2M/+5.7%)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	101.5	91.6	9.9

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0013 is unchanged from the prior month. The FY2015 Spending Forecast was increased from the prior month in support of the RH/Large Box Repack to \$91.6 million.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-15-007R0 - *Delay T Plant Cell Cleanout Planning Package*

BCR-013-15-009R0 - *Additional Certification of Large/Small Container CH TRUM and/or RH TRUM waste*

BCR-013-15-010R0 - *Move Balance of ETF Budget to Undistributed Budget*

BCR-013-15-011R0 - *Cs/Sr Dry Storage Planning Package Adjustment*

BCR-PRC-15-031R0 - *Undistributed Budget Adjustments – April 2015*

BCRA-PRC-15-032R0 - *HPIC Updates April 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-031	Submit revision of TRUM Waste and MLLW PMP to Ecology	6/30/15		6/30/15	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)



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

April 2015
CHPRC-2015-04, 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 April 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	32.2	209.1	6.7	57.8	-	-	-	-	-	-
HX P&T	26.1	179.7	1.9	13.3	-	-	-	-	-	-
KR-4 P&T	14.0	98.0	0.3	2.7	-	-	-	-	-	-
KW P&T	14.2	98.5	2.2	17.4	-	-	-	-	-	-
KX P&T	34.7	227.2	2.3	18.0	-	-	-	-	-	-
200 West P&T	81.2	568.6	6.4	45.0	248	1,740	5,578	40,819	.12x10 ¹²	.83x10 ¹²
Combined	202.4	1,381	19.7	154.2	248	1,740	5,578	40,819	.12x10¹²	.83x10¹²

Well Drilling by Area	FY2015 Planned	April	FY2015 Cumulative
100-KR-4	5	-	5
100-HR-3	12	5	6
NRDWL/SWL	4	-	-
200-UP-1	5	-	1
200-ZP-1	7	-	2
M-24	19	-	5
300-FF-5	34	-	3
DVZ URG TT	6	-	-
Total Wells	92	5	22

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%	79%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	58%	
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	60%	70%
		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	80%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/S&GRP meetings).	Discuss EMS topics with drilling subcontractor personnel, on a minimum of five different occasions with different topics at each session.	9/30/15	0%	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	3	27*	<p>4/13/2015 – Employee experienced right elbow pain after raking gravel on a road crossing throughout the day. He was taken to the site occupational medical center for evaluation and given a restriction of “avoid repetitive activity for no more than 1-2 hours at a time as tolerated.” (23639)</p> <p>4/21/2015 – Employee developed a lower leg strain due to working in an awkward position. Employee was examined and released with no restriction. (23648)</p> <p>4/24/2015 – Employee reported he was staging rollers when he was bitten several times by ants. The employee was taken to the site medical center where an antihistamine was applied to the bites and the employee was released with no restriction. (23652)</p> <p>*1 FA case, PTS in support of RL-0030.</p>
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations

RL 30 Integration & Assessments

Risk Assessment and Modeling Integration

- Geoframework Model Development and Maintenance: Delivered an overview of the estimated percent of groundwater contamination above maximum contaminant levels (MCLs) in the Hanford Site’s unconfined aquifer to Natural Resources Damage Assessment Council. Also completed the Electronic Data Deliverable Processor (EDDPro) redevelopment project and implemented the application into production on April 1, 2015. This is the culmination of a year-long effort to elevate EDDPro’s security to meet current HLAN requirements.

River Corridor

100-HR-3 Operable Unit

- Completed construction and development of wells 199-H5-16, 199-H6-7, 199-H6-8, 699-95-45B, and 199-H4-92 in April. Initiated drilling of well 199-H4-93 on April 23, 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 to Chapter seven of the RI and into Chapter eight of the FS.
- CHPRC hosted several FS working sessions to discuss the existing remedial alternatives, as well as potential revisions to the preferred remedial alternative. The position papers for the phyto-remediation, PRB design/hot spot treatment, surface barriers, and the pump and treat are being discussed and revised to address evolving positions, comments, and questions.
- The 1301 and 1325 TSD position summary reports are complete and with RL for final review and informal transmittal to Ecology. A path forward for closure of all four of the TSD facilities has been defined and agreed to by Ecology. Post closure monitoring will be required.

300-AF-5 Operable Unit

- Initiated preparation of the Draft A 300 Area Remedy Implementation SAP based on RL comment resolutions.
- Initiated review of the supplemental post-ROD field investigation report on April 23, 2015.
- Finalized Rev 0 Attenuation Area Stage A Location Selection technical memo on April 23, 2015.
- Received concurrence on TPA-CN-656; this change adds two borehole locations selected for pre-treatment sampling associated with Stage A implementation to the Supplemental Post ROD Field Investigation.

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

- Conducted the following workshops and discussions with Ecology:
 - April 7, 2015: Conceptual exposure model and data needs.
 - April 15, 2015: Project team collaboration during the work plan deliberative process.
 - April 22, 2015: Geographic closure presentation feedback and Ecology interpretation of attorney general advice as it pertains to 200-IS-1 Operable Unit (OU).

200-WA-1 Operable Unit

- Incorporated RL comments into the Draft B RI/FS work plan.

200-BP-5 Operable Unit

- Completed five of seven road crossings for the 200-BP-5 pipeline to the 200 West P&T facility and initiated pipe welding.
- Revised the 200-BP-5 Treatability Test Plan to incorporate regulator comments and initiated regulator sign-off.
- Completed CHPRC review and comment incorporation of the 200-BP-5 EE/CA. The Draft A EE/CA was delivered to RL for a check review on April 16, 2015.

200-UP-1 Operable Unit

- Received the uranium inlet tank on April 24, 2015, and placed it in the Rad Building. Completed concrete pours for the foundations for the uranium inlet tank and pumps. Completed well rack fabrication and installed meter base to power the uranium extraction wells.
- Completed the 90 percent design review process for the I-129 hydraulic containment system and initiated the procurement of pipeline materials. The injection well drilling subcontract was awarded. Injection well pad and associated road construction was completed.
- Submitted the Decisional Draft 200-UP-1 Performance Monitoring Plan for RL review on April 8, 2015.

200-PW-1 Soil Vapor Extraction

- Issued the Draft A Endpoint Evaluation for the 200-PW-1 Operable Unit Soil Vapor Extraction Operations to EPA on March 24, 2015. This document identifies where the 200-PW-1 SVE operations are with regard to final closure.

200 West P&T

- Achieved an average pumping rate of approximately 1,888 gpm for April.
- Maintained effluent concentrations below cleanup levels specified in ROD.
- Completed construction of injection well YJ08 (299-W18-41).

100 Area P&Ts

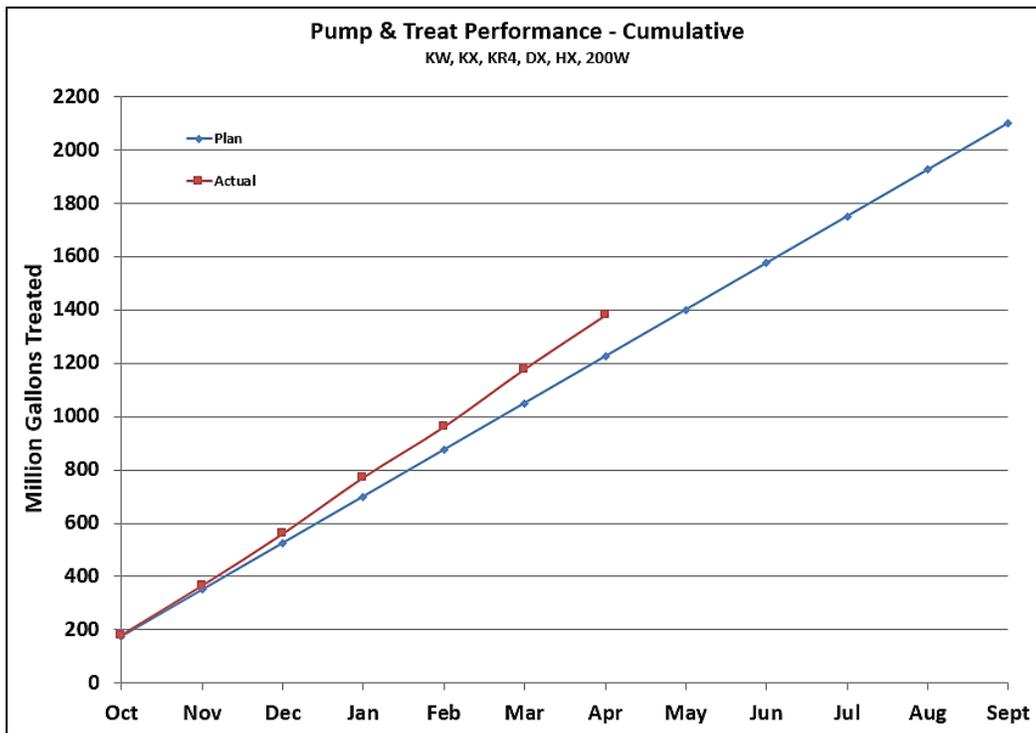
- Continued to operate KW P&T above 300 gpm, which exceeds the original design capacity of 200 gpm.
- Continued to operate KX P&T above 800 gpm, which exceeds the original facility design capacity of 600 gpm.
- Continued to operate the KR-4 P&T near 340 gpm, which exceeds original design capacity of 300 gpm.
- Continued to operate the DX P&T above 700 gpm, which exceeds the original design capacity of 600 gpm.
- HX continuing operations while executing construction activities associated with the P&T optimization plan.

200-DV-1 Operable Unit

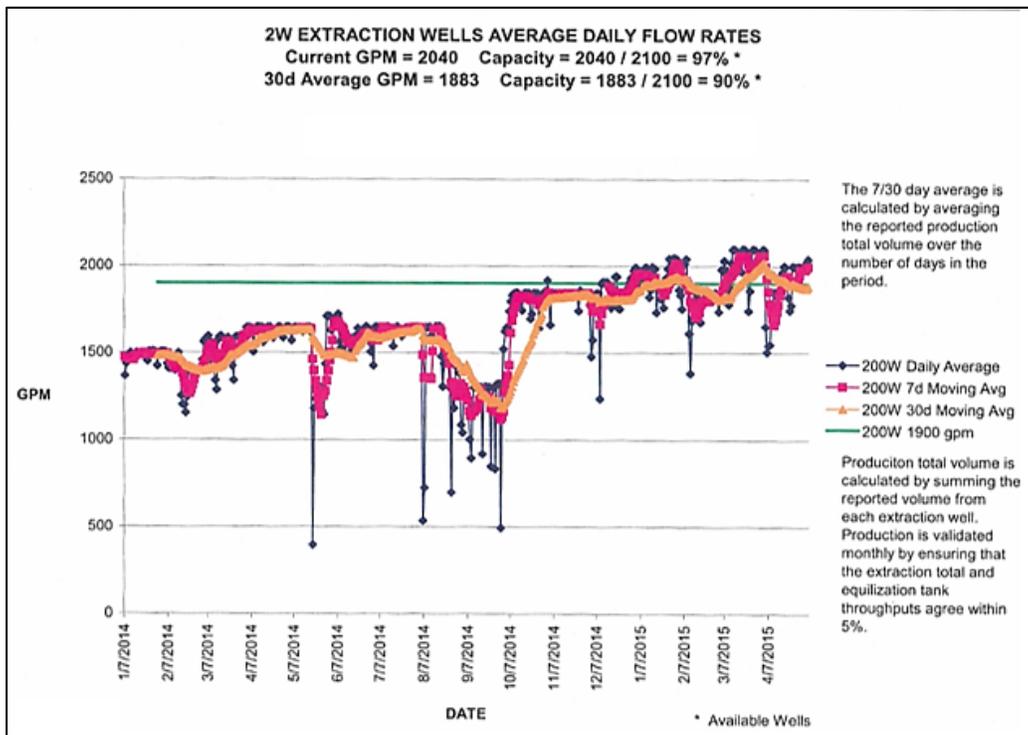
- The B Area perched water extraction system removed 7,282 gallons in April to bring the total volume of perched water removed to 276,973 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of April:

Contaminant	April	Cumulative (since startup)
Tc-99	0.56 E-03 Ci	33.25 E-03 Ci
Uranium	3.1 kg	60.7 kg
Nitrates	9.7 kg	532.2 kg

FY2015 P&T Operations



200 West Pump-and-Treat



MAJOR ISSUES

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

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

Status – RL, MSA, CHPRC and all four tribes held the first MOA working session for the monitoring wells at 100-N. Several issues were raised: (1) The agenda and meeting approach was different than what was previously used, which met with resistance from the Tribes; and (2) The need to extend an existing spur road 150 feet to the planned well locations on the backside of the reactor was not represented in the CRR. The Yakama felt the CRR required revision and resubmittal before the meeting could continue. The meeting was adjourned early and the team revised the CRR and resubmitted it the following day. The meeting was scheduled to resume on April 28, 2015. RL transmitted the D&D CRR to SHPO on April 13, 2015. This project and the related CRR was discussed during a field visit on April 15, 2015, with all four Tribes in attendance. The 30-day review of the CRR will complete on May 13, 2015. A draft MOA has been prepared for internal RL discussion and a workshop will follow, as necessary.

Issue – Experiencing regulatory agency delays in the approval of decision documents, such as Ecology's legal review of the 100-D/H Proposed Plan (DOE/RL-2011-111), extended comment resolution on the 100-N RI/FS report (DOE/RL-2012-15, Draft A), EPA's approval of the 300 Area RDR/RAWP (DOE/RL-2014-13), and 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 Change letters to RL as contract activities are impacted.

Status – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. RL and CHPRC continued to work with the regulatory agencies at the project level 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: No major changes to the risk profile for the month of April.																	
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 several key decision documents have been delayed due to regulator comments and resource availability: <ul style="list-style-type: none"> The draft Rev 0 100-D/H PP was provided to Ecology in September 2014 for legal review. EPA's Remedy Review Board (RRB) then began on January 26, 2015, whose comments were received by CHPRC on April 30, 2015. Additional technical reviews by Ecology have been performed; however, 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. The Draft A 100-N RI/FS and Proposed Plan were provided to Ecology on June 24, 2013, completing Milestone M-015-75. Comments were received on October 2, 2013. Comment resolution has continued, which includes weekly meetings to resolve comments chapter by chapter and preparation of several technical position papers. 200-IS-1 RI/FS Work Plan: DOE invoked dispute resolution on December 10, 2013 for TPA milestone M-015-112, Submit Draft B 200-IS-1 OU RI/FS WP. Resolution of this dispute, which includes the 200-IS-1 OU waste sites and TSD/past practice status, is required before the Draft B RI/FS WP can be submitted. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Comment resolution with Ecology on Draft Rev.0 100-D/H PP.</td> <td rowspan="3" style="text-align: center;">04/30/15</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Comment resolution with Ecology on Draft A 100-N RI/FS Report.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">25</td> </tr> <tr> <td>Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS Work Plan.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> Recovery Action Assessment: <ul style="list-style-type: none"> 100-D/H PP: Working with RL/Ecology to verify that legal review has not begun and if so, how to shorten review and/or do concurrent legal reviews. 100-N RI/FS: Comment resolution with Ecology on the Draft A 100-N RI/FS Report has progressed through most of the RI (Chapter 6 being discussed on May 11, 2015) and we have progressed work on Chapter 8 of the FS to about 50% complete. All but two of the four technical position papers (five separate papers on five topics) that were submitted to Ecology in March 2014 to resolve significant comments on the FS have now been reviewed (phyto-remediation and surface barrier have not been discussed). A revised project delivery schedule has been created using the extension from Ecology to September 30, 2015 as the basis to complete comment resolution and that schedule has been drafted and sent to RL for review. The revised schedule calls for the RI/FS to be complete on September 30, 2015. No alternative course of actions needed at this time. 200-IS-1 RI/FS WP: Ecology is unwilling to sign TPA change packages C-13-01 and C-14-02 until all TSDs are clearly identified. These change packages add 233 waste sites into 200 IS-1 Appendix C. Ecology shared their TSD/past practice resolution proposal on April 22, 2015. Additional discussions focused on tanks with liquids remaining following the August 1987 date are necessary with Ecology and RL legal counsels. This meeting was planned for May 21, 2015; it has since been moved to June 4, 2015, due to Ecology's legal counsel availability and staffing changes. Due to this change, the dispute resolution will require another extension (anticipate extension to September 30, 2015). The CHPRC project team continues Work Plan preparation efforts based on the scope identified in the two draft change packages. (FES Activity 30.31.3.7.DR) 	Risk recovery action(s)	Risk Date	FC Date	%	Comment resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50	Comment resolution with Ecology on Draft A 100-N RI/FS Report.	09/30/15	25	Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS Work Plan.	09/30/15	50
Risk recovery action(s)	Risk Date	FC Date	%														
Comment resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50														
Comment resolution with Ecology on Draft A 100-N RI/FS Report.		09/30/15	25														
Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS Work Plan.		09/30/15	50														

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
RL-030/WBS-030																			
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	↓		<p>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. The related Memorandum of Agreements (MOAs) are being negotiated for both projects. It is likely that the field work will not occur in FY2015 for either project due to the time required for completion of the MOA.</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>Interface with Tribes at monthly cultural resource meeting.</td> <td rowspan="2">11/04/14</td> <td>09/30/18</td> <td>15</td> </tr> <tr> <td>Interface with MSA during bi-weekly meetings.</td> <td>09/30/18</td> <td>15</td> </tr> <tr> <td>Conduct workshop to define the mitigation actions for the 100-N MOAs.</td> <td></td> <td>Complete</td> <td>100</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Meetings have been held with the Tribes in February, March, and April. The first of several MOA workshops was completed on April 21, 2015 to define the mitigation actions (see above in 100-N). CHPRC has been presenting at each of these monthly cultural meetings. No alternative course of actions needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	15	Interface with MSA during bi-weekly meetings.	09/30/18	15	Conduct workshop to define the mitigation actions for the 100-N MOAs.		Complete	100
Risk recovery action(s)	Risk Date	FC Date	%																
Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	15																
Interface with MSA during bi-weekly meetings.		09/30/18	15																
Conduct workshop to define the mitigation actions for the 100-N MOAs.		Complete	100																
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction	Reduction in field sampling (locations, frequency, or total number of samples collected) has the opportunity to reduce cost. Risk Handling Strategy: Exploit Probability: Medium (26% to 74%) Worst Case Impacts: \$3M, 0 day	↔		<p>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.</p> <table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Develop schedule for completing DOE-RL Panel Review on the SAPs.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Obtain Agency approval of the revised SAP.</td> <td>09/30/15</td> <td>58</td> </tr> </tbody> </table> <p>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.</p>	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	58						
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	58																	
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	●	↔	<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</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>Complete</td> <td>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>Complete</td> <td>100</td> </tr> <tr> <td>Complete OTP</td> <td>07/30/15</td> <td>0</td> </tr> </tbody> </table> <p>Risk Trigger: Will continue throughout project lifecycle (9/30/2015) 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 in March 2015. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	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 April.																			
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.			RL, EPA, and Ecology staffing and project assignment are outside CHPRC's control.															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-030/WBS-030				
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.			RL, EPA, and Ecology staffing and project assignment are outside CHPRC's control.
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.			Regulatory decision documents are based upon established regulatory requirements. However, these requirements may be modified by DOE during negotiations with EPA and Ecology to finalize the decision documents. These decisions and subsequent impacts are outside CHPRC's control.
SGW-099:ERDF Impacts on 200 West P&T Waste Disposition	ERDF cannot accept waste products from 200 West P&T or River Corridor P&T facilities due to disposal criteria.			DOE-HQ is the only party that can approve a new rad disposal path.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	13.9	12.7	12.4	(1.2)	-9.0%	0.3	2.3%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Performance (-\$1.2M/-9.0%)

The negative schedule variance resulted from the following:

- The 200-BP-5 treatability test pipeline installation has been delayed due to the upfront installation of road crossings which has impacted installation. In addition, the pipe installers are newly qualified for this scope and resulting in slower progress than planned.
- Performance planned in the current month for obtaining well hookup material and well drilling sampling and analysis was performed in FY2014. In addition, well drilling delays have affected the completion of well hookups in the 200-ZP-1 OU.
- The unfavorable schedule variance is due to mobilization delays being experienced by the TW-1/2 OU Characterization driller due to the additional time required to complete the site medical and training requirements (due to high volume of hiring on site).

CM Cost Performance (+\$0.3M/+2.3%)

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	1,086.9	1,082.9	1,067.4	(3.9)	-0.4%	15.6	1.4%	1,535.2	1,497.5	37.7

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Performance (-\$3.9M/-0.4%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$15.6M/+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	137.5	134.7	2.8

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

RL-0030 project funding is \$137.5 million for FY2015. The Spend Forecast is unchanged from the prior month and remains at \$134.7 million.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-015R0 - CO #266, 200-BP-5 OU Construction and O&M of Transfer Pipelines

BCR-030-15-017R0 - PBS RL-30 Schedule Health Updates – April

BCRA-030-15-016R0 - PBS RL-030 WBS Dictionary Updates

BCR-PRC-15-028R0 - Definitization of CO #260, 100-NR-2 Bioventing System

BCR-PRC-15-031R0 - Undistributed Budget Adjustments- April 2015

FY2015 Management Reserve (Funded): \$1.75 million

No FY2015 Management Reserve was used during April. \$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-024-58H	Initiate Discussions of Well Commitments	TPA	6/1/15	4/3/15		Complete
M-091-40L-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15		6/15/15	Pending
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-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15		6/28/16	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		5/13/20	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-92A is to be missed.
M-024-66-T01	Conclude Discussions of Well Commitments	TPA	8/1/15		8/1/15	On schedule
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15		9/15/15	On schedule
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-110B is to be missed.
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/30/15	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

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

April 2015
CHPRC-2015-04, 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, the project completed 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

- Operations/Maintenance
 - Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
 - Performed 200W tri-annual and annual waste site surveillances
 - Performed structural inspection/walkdown of roof at 221U and 271U for repair work
 - Engineering walkdown of REDOX roof in support of roof design and repair work
 - Disposed of waste from U Plant radioactive material area (RMA) and closed out RMA
- Completed:
 - B Plant Annual HEPA filter flow test
 - B Plant pre-filter change-out
 - 74 radiological facility surveillances
 - 85 preventive maintenance activities
 - PUREX Tank 30 asbestos cleanup
 - PUREX N-cell contamination investigation post-job As Low As Reasonably Achievable (ALARA) Review

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



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: No major changes to the risk profile for the month of April.																		
Realized Risks (Risks that are currently impacting project cost/schedule)																		
D4-064: Aging Building Systems/Component	Problems with aging building systems/components (e.g., roofing/structures, etc.) result in inoperability or requires unscheduled maintenance/outages, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Likely (75% to 90%) Worst Case Impacts: \$3.5M, 0 day			<p>Risk Event: During a routine, non-scheduled inspection the PUREX stack monitoring probe broke, resulting in temporary repairs to the stack sampling probe.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.</td> <td rowspan="3">03/10/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Procure replacement probe.</td> <td>05/31/15</td> <td>75</td> </tr> <tr> <td>Develop white-paper and communicate to DOE on proposed repairs/upgrades</td> <td>06/30/15</td> <td>5</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Procurement of the stack monitoring probe was placed in April and is expected to arrive late-May. This part will be placed in spares to mitigate future consequences should this event occur again. CHPRC has a draft white-paper developed and is currently going through internal review cycles prior to communicating to DOE-RL on proposed repairs/upgrades. Risk recovery actions are on schedule with no secondary concerns or alternative course of actions at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.	03/10/15	Complete	100	Procure replacement probe.	05/31/15	75	Develop white-paper and communicate to DOE on proposed repairs/upgrades	06/30/15	5
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	75															
Develop white-paper and communicate to DOE on proposed repairs/upgrades		06/30/15	5															
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
No critical risks identified in the month of April.																		
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																		
No high threat value risks identified in the month of April.																		
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.			DOE decision or change to previous decision are outside of CHPRC control.														
D4-U-023: EPA Disallows Adding Additional Items to U-Plant ROD	EPA will not allow adding additional items (such as ancillary facility sand filters or WR vault) to the U-Plant Record of Decision (ROD)			Regulatory agency decisions are outside of CHPRC control.														
WSR-001: Canyon Facility Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining canyon facilities requires removal/treatment/disposal rather than cap in place.			Final remedial action will be defined in the ROD/RAWP.														

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
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.	Final remedial action will be defined in the ROD/RAWP.		
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-004: MG-1/MG-2 Cleanup Requirements	Cleanup requirements for 200-MG-1 and 200-MG-2 are more stringent than proposed in the EE/CA's.	Regulatory decisions contrary to the L-8 are outside of CHPRC control.		
WSR-005: NRDWL/Landfill Remediation	Regulators will require a remove/treat/dispose (RTD) remedy for selected portions of the Nonradioactive Dangerous Waste Landfill (NRDWL) or the Central Landfill.	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	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	Regulators may 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-012: Waste Site Remediation Required Earlier Than Planned	Regulators require closure actions on waste sites before funds available to address adjacent facilities/sites.	Regulatory agency decisions are outside of CHPRC control.		
WSR-014: Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation.	Unexpected contaminants are outside of CHPRC control.		
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.	Regulatory documents are not developed via Zone Closure or Operable Units. A new category has been developed and is in use. STAYS - EA & WA are operable units		
WSR-023: New Waste Sites Identified	New waste sites are discovered during waste site remediation or through the orphan site identification process.	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 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.		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
WSR-044: OPP: RTD Sites Only Need Confirmatory Sampling	Confirmatory sampling for no further action determined to be acceptable for waste sites previously identified as needing removal, treatment, and disposal (RTD) as the remedial action.	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	1.5	1.3	1.1	(0.1)	-11.8%	0.2	17.4%

Numbers are rounded to the nearest \$0.1 million

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

Variance is within reporting threshold.

CM Cost Performance: (+\$0.2M/+17.4%)

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	395.8	395.4	364.5	(0.4)	-0.1%	31.0	7.8%	456.4	421.7	34.7

Numbers are rounded to the nearest \$0.1 million

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

Variance is within reporting threshold.

CTD Cost Performance: (+\$31.0M/+7.8%)

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

- ARRA-funded work scope included efficiencies with Program Management (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million) and efficiencies with Arid Lands Ecology (ALE) (\$3.7 million), North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million). This is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste

Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, and ERDF passback, which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.4 million) contributed to the favorable cost variance.

- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.1 million), Surveillance and Maintenance (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 (\$3.4 million) and underrun in overhead allocations (\$1.8 million).

Variance at Completion (+\$34.7M/+7.6%)

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

Contract Performance Report Formats are provided in Appendix A.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	15.5	14.0	1.5

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0040 is unchanged from the prior month. The Spend Forecast was unchanged from the prior month and remains at \$14.0 million.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

- BCR-040-15-003R0 - Preliminary Design for the REDOX Roof Replacement
- BCR-PRC-15-028R0 - Definitization of CO #260, 100-NR-2 Operable Unit Bioventing System
- BCR-PRC-15-031R0 - Undistributed Budget Adjustments – April 2015
- BCRA-PRC-15-032R0 - HPIC Updates April 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)

April 2015
CHPRC-2015-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells continued drilling through clean backfill and into native material, collecting the first soil sample at 116-KE-3. The project continued working on ventilation system installation on the second borehole location at UPR-100-K-1 and continued monthly radiological surveillances.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
 - 116-KE-3
 - Continued drilling at mock-up borehole location
 - Continued drilling through clean backfill and into native material, collecting the first soil sample
 - UPR-100-K-1
 - Continued working on ventilation system installation on the second borehole location
- Completed Surveillances:
 - Radiological – 25
- Radioactive Material Area (RMA) Consolidation:
 - Final RMA to be consolidated is 70 percent complete. Work continues to be on hold due to resource availability (working higher priority CHPRC scope).

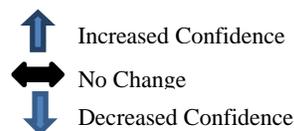
MAJOR ISSUES

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: No major changes to the risk profile for the month of April.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of April.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of April.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of April.				
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	100K 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 include information on 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 100K 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	0.7	0.6	0.9	(0.1)	-8.1%	(0.3)	-46.4%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.1M/-8.1%)

The current period schedule variance is within threshold.

CM Cost Performance (-\$0.3M/-46.4%)

The cost variance is within threshold.

Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	313.1	313.0	285.3	(0.1)	-0.0%	28.0	8.8%	397.8	369.3	28.5

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/+8.8%)

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

Variance at Completion (+\$28.5M/+7.2%)

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	8.4	1.2

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 is unchanged from the prior month. The Spend Forecast was unchanged and remains at \$8.4 million.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-041-15-008R0 - *KE Boreholes Analytical Support Replanning*

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)

April 2015
CHPRC-2015-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Continued field verifications in support of lock-out/tag-out development and procedure improvements
- Continued preparations for Altitude valve repairs
- Completed:
 - o Hazard Review Board for water storage Tanks T-58 and T-87 interior underwater inspections
 - o 17 Preventative Maintenance activities
 - o Four operational surveillances
 - o Four radiological surveillances
 - o Fuels and Materials Examination Facility (FMEF) Annual Surveillance

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

-  Increased Confidence
-  No Change
-  Decreased Confidence

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

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

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)	-4.3%	0.1	38.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.0M/-4.3%)

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.1M/+38.1%)

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	19.3	19.2	15.7	(0.1)	-0.3%	3.5	18.3%	26.6	20.0	6.6

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 (+\$3.5M/+18.3%)

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

Variance at Completion (+\$6.6M/+24.8%)

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

Projected 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 pending facility disposition.

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



April 2015
CHPRC-2015-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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) 2015 / 03 / 23							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2015 / 04 / 26							
c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																
FOC	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)
34 - Envr Program & Strategic Planning																
340 - Environmental Prog & Regl Mgt	758	653	664	(105)	(10)	52,697	52,839	48,820	143	4,020	0	0	0	83,134	72,965	10,169
	758	653	664	(105)	(10)	52,697	52,839	48,820	143	4,020	0	0	0	83,134	72,965	10,169
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	33	33	134	0	(101)	91	91	141	0	(50)	0	0	0	8,602	8,770	(168)
	33	33	134	0	(101)	91	91	141	0	(50)	0	0	0	8,602	8,770	(168)
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 & Infastruc	2,043	1,998	2,496	(45)	(498)	149,786	138,590	162,451	(11,196)	(23,861)	0	0	0	201,579	220,083	(18,503)
3B3 - Project Management/Subcontracts	2,201	3,047	1,856	846	1,191	114,148	109,748	112,887	(4,399)	(3,138)	0	0	0	134,577	135,385	(808)
3B4 - Engrg Nuc Saf Plng&Wrk Control	1,741	1,741	1,298	0	443	57,749	57,749	47,422	(0)	10,327	0	0	0	74,095	60,211	13,884
3B7 - Environmental & Waste	826	855	1,026	29	(171)	58,551	57,802	47,667	(749)	10,135	0	0	0	73,244	72,416	828
3BA - Project Mgmt D&D	1,253	1,252	1,355	(1)	(102)	156,305	156,303	158,972	(1)	(2,669)	0	0	0	168,033	171,996	(3,963)
3BB - PFP D4 Deputy Project Mgmt	3,031	2,715	2,253	(316)	462	165,783	151,477	185,032	(14,305)	(33,555)	0	0	0	195,084	213,462	(18,378)
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	(0)
	11,095	11,608	10,284	513	1,324	707,142	676,491	719,760	(30,651)	(43,269)	0	0	0	851,435	878,882	(27,447)
3C - Decom Waste Fuels & Remed Svcs																
38X - Support to 3C - W&FMP/D&D Project	2,122	1,752	2,062	(370)	(310)	50,317	53,117	73,297	2,800	(20,180)	0	0	0	91,055	118,288	(27,233)
3AD - Sludge Treatment Project	5,438	5,883	4,645	445	1,238	374,483	375,164	364,123	681	11,041	0	0	0	547,291	535,435	11,856
3BX - Support to 3C - W&FMP/D&D Project	690	634	917	(57)	(284)	249,388	249,265	227,375	(123)	21,890	0	0	0	326,723	303,941	22,782
3C1 - Waste & Fuels Mgmt Proj	519	503	784	(16)	(281)	60,629	60,608	52,976	(21)	7,632	0	0	0	62,703	55,275	7,428
3C2 - DWF&RS	0	0	26	0	(26)	472	472	443	0	29	0	0	0	472	443	29
3C4 - Waste & Fuels Project Controls	2,646	2,665	1,845	18	820	213,001	212,782	211,861	(219)	921	0	0	0	322,440	297,407	25,033
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	1,804	2,129	2,380	325	(250)	205,822	206,239	191,704	417	14,535	0	0	0	334,187	340,177	(5,991)
3CD - Waste Disposition	9,252	7,846	4,798	(1,406)	3,049	703,312	703,405	660,324	93	43,081	0	0	0	908,781	833,762	75,020
	22,473	21,412	17,456	(1,061)	3,957	1,906,564	1,910,191	1,834,488	3,628	75,703	0	0	0	2,642,791	2,537,115	105,676
3D - Soil & Groundwater Remediation																
3D0 - Soil & Groundwater Remediation	1,261	1,144	759	(117)	385	85,393	85,487	83,737	94	1,750	0	0	0	141,155	128,284	12,871
3D2 - GW Remediation Support	2,828	2,808	2,350	(20)	459	165,877	163,204	152,510	(2,674)	10,694	0	0	0	257,308	242,614	14,695
3D4 - GW Operations	3,656	3,357	2,994	(299)	363	177,871	178,243	165,417	372	12,826	0	0	0	299,269	288,867	10,402
3D8 - GW Analysis and Reporting	5,410	4,705	5,559	(705)	(854)	457,488	455,623	459,436	(1,865)	(3,813)	0	0	0	594,825	595,349	(524)
	13,155	12,014	11,661	(1,142)	352	886,628	882,556	861,100	(4,072)	21,456	0	0	0	1,292,557	1,255,114	37,443
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														59,129	59,129	0
e. Sub Total	47,515	45,721	40,198	(1,794)	5,523	4,025,646	3,994,693	3,912,931	(30,953)	81,762	0	0	0	5,410,172	5,260,597	149,575
f. Management Resrv.														78,367		
g. Total	47,515	45,721	40,198	(1,794)	5,523	4,025,646	3,994,693	3,912,931	(30,953)	81,762	0	0	0	5,488,538		

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT													Form Approved							
FORMAT 3 - BASELINE										DOLLARS IN THOUSANDS			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: 2015/3/23 b. TO: 2015/4/26								
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 \$21,479		e. CONTRACT BUDGET BASE (C + D) \$5,489,693			f. TOTAL ALLOCATED BUDGET \$5,488,538		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)		BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)		
							SIX MONTH FORECAST						FY09-13	FY14	FY15	FY16			FY17	FY18
							+1 May-15	+2 Jun-15	+3 Jul-15	+4 Aug-15	+5 Sep-15	+6 Oct-15	(10)	(11)	(12)	(13)	(14)	(15)		
a. PM BASELINE (BEGIN OF PERIOD)			3,978,131		34,665		37,694	35,796	48,487	39,164	51,834	38,229	3,391,477	391,653	452,960	437,572	376,381	344,975	20,902	5,415,919
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																				
BCR-012-15-004R0 - Establish CAP 15-D-401, KW Basin Sludge Removal Project															0	0	(0)	(0)		0
BCR-013-15-007R0 - Delay T Plant Cell Cleanout Planning Package															0	0	0	0		0
BCR-013-15-009R0 - Additional Certification of Large/Small Container CH TRUM and/or RH TRUM Waste															11,598	5,402	(12,885)	(4,115)		0
BCR-013-15-010R0 - Move Balance of ETF Budget to Undistributed Budget															(12,968)	(21,943)	(10,206)	45,117		(0)
BCR-013-15-011R0 - Cs/Sr Dry Storage Planning Package Adjustment															(903)	903	0	0		0
BCR-030-15-015R0 - CO #266, 200-BP-5 OU Construction and O&M of Transfer Pipelines															993	0	0	0		993
BCR-030-15-017R0 - PBS RL-030 Schedule Health Updates ? April															0	0	0	0		0
BCR-040-15-003R0 - Preliminary Design for the REDOX Roof Replacement															500	0	0	0		500
BCR-041-15-008R0 - KE Boreholes Analytical Support Re-planning															0	0	0	0		0
BCR-PRC-15-028R0 - Definitization of CO #260, 100-NR-2 Operable Unit Bioventing System															231	277	(1,145)	287		(350)
BCR-PRC-15-031R0 - Undistributed Budget Adjustments April 2015															0	0	0	0	(6,890)	(6,890)
c. PM BASELINE (END OF PERIOD)			3,994,693		47,515		38,077	36,084	47,019	37,671	51,042	39,176	3,391,477	391,653	452,410	422,212	352,145	386,263	14,012	5,410,172
7. MANAGEMENT RESERVE																				78,367
8. TOTAL																				5,488,538

CONTRACT PERFORMANCE REPORT

FORMAT 4 - STAFFING

FORM APPROVED

OMB No. 0704-0188

1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract		a. FROM (YYYYMMDD) 2015 / 03 / 23	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE		b. TO (YYYYMMDD) 2015 / 04 / 26	
		c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE YES		9/18/2009	

5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)

Organizational Breakdown Structure (OBS)	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)									AT COMPLETION	
			SIX MONTH FORECAST						REM FY2016	FY2017	FY2018		
			+1 May	+2 Jun	+3 Jul	+4 Aug	+5 Sep	+6 Oct					
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
300 - Office of the President													
35X - Support to President	5	471	5	5	5	5	5	5	5	58	63	63	687
	5	471	5	5	5	5	5	5	5	58	63	63	687
303 - Internal Audit													
303 - Internal Audit	5	340	4	5	5	5	5	5	5	55	60	60	545
	5	340	4	5	5	5	5	5	5	55	60	60	545
304 - General Counsel													
304 - General Counsel	4	324	4	5	5	5	5	5	5	55	60	60	527
	4	324	4	5	5	5	5	5	5	55	60	60	527
31 - Communications													
310 - Communications	9	771	9	9	9	9	9	9	9	99	108	108	1,142
	9	771	9	9	9	9	9	9	9	99	108	108	1,142
32 - Safety, Health, Security & Quality													
320 - Safety Health Security/Quality	15	1,565	16	16	16	16	16	17	17	183	199	199	2,243
321 - RAD PRO/Emergency Prep	0	0	0	0	0	0	0	0	0	0	0	0	0
322 - Nuclear Ops Supp & Compliance	8	773	9	9	9	9	9	8	8	88	96	96	1,106
324 - Quality Assurance	16	1,776	17	17	17	17	17	17	17	190	207	208	2,481
328 - Occup Safety & Indus Hygiene	20	1,493	19	19	19	19	18	18	18	202	220	220	2,246
	59	5,606	60	60	60	60	60	60	60	662	722	724	8,076
34 - Environmental Prog & Strategic Planning													
340 - Environmental Prog & Regl Mgt	38	3,633	34	39	39	39	39	38	46	504	556	556	5,483
	38	3,633	34	39	39	39	39	38	46	504	556	556	5,483
35 - Business Services													
35D - Contract Mgmt & Facility Svcs	24	3,351	27	27	27	27	27	28	312	340	340	4,505	
35F - Industrial Relations	6	392	6	6	6	6	6	5	59	62	64	610	
35H - Human Resources	16	1,142	15	15	15	15	15	15	162	177	177	1,747	
35K - PRC Finance	12	1,034	12	12	12	12	12	13	143	156	156	1,562	
	57	5,918	59	59	59	59	59	62	676	735	737	8,423	
36 - Prime Contract & Project Integration													
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	0	0	0	1
361 - Cont Compl & Change Mgmt	11	636	11	11	12	12	12	12	143	156	156	1,161	
363 - EVMS Compl & Rptg	17	1,416	18	18	18	18	18	15	165	180	180	2,046	
365 - Perf Assess & Risk Mgmt	7	335	15	15	15	15	15	19	214	163	154	963	
366 - Information & Interface Mgmt	14	1,028	13	13	15	15	15	14	154	168	168	1,604	
	49	3,417	57	58	60	60	60	62	676	667	658	5,774	
38 - Project Technical Services													
381 - Central Engineering	7	612	10	10	10	10	8	9	103	113	113	997	
382 - Training & Procedures	9	2,157	10	10	10	10	10	10	110	120	120	2,567	
383 - Operations Programs	6	818	7	7	7	7	7	7	77	84	84	1,105	
384 - Project Delivery	11	1,148	12	12	12	12	12	10	112	122	122	1,576	
	33	4,734	39	39	39	39	38	37	402	439	438	6,245	
3B - PFP Closure													
36Y - Matrixed to PFP	0	524	0	0	0	0	0	0	0	0	0	0	524
3B0 - PFP Close/BOSS D&D & Infastruc	54	5,327	55	56	57	56	55	55	1,060	0	0	0	6,722
3B3 - Project Management/Subcontracts	61	4,165	59	59	58	57	56	51	372	35	0	0	4,912
3B4 - Engrg Nuc Saf Plng&Wrk Control	56	2,500	61	61	61	61	61	34	239	0	0	0	3,079
3B7 - Environmental & Waste	35	2,877	36	36	36	36	36	32	337	6	0	0	3,433
3BA - Project Mgmt D&D	63	11,285	65	65	65	65	65	54	367	0	0	0	12,030
3BB - PFP D4 Deputy Project Mgmt	119	12,679	143	144	131	135	125	137	464	0	0	0	13,958
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0	0	0	0
	387	39,358	419	421	408	411	399	362	2,840	41	0	0	44,659
3C - W&FMP/D&D Project													
38X - Support to 3C - W&FMP/D&D Project	44	1,393	44	47	65	82	97	70	622	272	14	14	2,707
3AD - Sludge Treatment Project	144	16,449	143	143	141	138	134	132	1,587	1,625	1,579	1,579	22,145
3BX - Support to 3C - W&FMP/D&D Project	22	7,207	32	28	23	17	13	33	349	1,155	937	937	9,794
3C1 - Waste & Fuels Mgmt Proj	18	883	20	18	18	15	7	0	0	0	0	0	962
3C2 - DWF&RS	1	23	0	0	0	0	0	0	0	0	0	0	23
3C4 - Waste & Fuels Project Controls	56	6,899	61	62	62	62	62	68	749	833	826	826	9,682
3C5 - TRU Project	0	583	0	0	0	0	0	0	0	0	0	0	583
3C9 - Liquid & Fuels Storage	85	11,878	75	77	76	75	75	74	812	1,193	1,028	1,028	15,445
3CD - Waste Disposition	149	33,853	160	170	186	170	159	155	1,781	2,759	2,307	2,307	41,700
	519	79,168	536	544	570	559	546	533	5,900	7,836	6,692	6,692	103,040
3D - Soil & Groundwater Remediation													
3D0 - Soil & Groundwater Remediation	33	3,157	37	37	38	38	36	42	461	519	519	519	4,884
3D2 - GW Remediation Support	57	6,001	70	71	69	68	69	61	695	761	870	870	8,736
3D4 - GW Operations	110	7,869	108	109	107	107	107	101	1,169	1,237	1,238	1,238	12,153
3D8 - GW Analysis and Reporting	109	9,955	92	83	78	74	68	73	924	1,226	709	709	13,294
	309	26,982	307	300	292	287	281	277	3,249	3,743	3,336	3,336	39,067
Grand Totals:	1,473	170,722	1,535	1,545	1,551	1,538	1,505	1,463	15,176	15,030	13,433	13,433	223,667

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

Contractually Required Cost, Schedule, EAC variance, Management Reserve Use

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a +\$149.6 million and +2.8% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$21,479
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
Grand Total Adjustments		\$21,479

Use of Management Reserve (MR) and Fee Activity:

MR Utilization

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

There were no changes to Management Reserve during April.

Fee Activity

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

There were no changes to Fee during April.

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: 5/13/2015	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

April 2015
CHPRC-2015-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

M. N. Jaraysi
Vice President for
Environmental Program
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D. A. Millikin
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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	40%
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	30%
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	60%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	0	7	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- SHS&Q activities provide support and technical services to all CHPRC projects and central management of crosscutting services. There were zero SHS&Q Recordable injuries or First Aid cases during April.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees. One site-wide program, DOE-0346, *Hanford Site Fall Protection Program*, is currently in the process of developing an implementation schedule for Revision 1A. Three other site-wide committees (DOE-0344, *Hanford Site Excavation, Trenching and Shoring Procedure*; DOE-0352 *Hanford Site Respiratory Protection Program*; and DOE-0360, *Hanford Site Confined Space Procedure*), are going through the revision process at this time.
 - Continued implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 799 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 290 CHPRC facilities. An additional 48 facilities have been sampled.
 - Continued to provide field ergonomic assessments and office ergonomic assessments throughout all projects
 - Continued to provide technical assistance to Plutonium Finishing Project (PFP) and Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) for asbestos work activities
 - Assisted Project Technical Services (PTS) for investigation of erroneous sampling data for stainless steel welding at the construction shop
 - Provided technical support to DWF&RS for confined space evaluations for diving activities
 - Continued to provide support to PFP in resolving respiratory protection issues with resin beads inside tight fitting face pieces and trending data for PAPR issues
 - Continued planning for the Hanford Site Safety Expo in May
 - Finalizing an Apparent Cause Evaluation for the emerging trend in non-use/miss-use of required Personal Protective Equipment

- Provided field support to Soil and Groundwater Remediation Project (S&GRP) while search is underway to procure additional project OS&IH staff
- Provided field support to PTS to backfill project OS&IH personnel
- Provided long term field support to PFP to backfill position vacated by OS&IH vacancy
- o Radiological Control accomplishments:
 - Completed Radioactive Material Area Work Site Assessment
 - Supported 10 CFR 835 Subpart F, “*Entry Control Program*” as part of triennial assessment activities
 - Published PRC-PRO-RP-52988, *Routine Partial Entries*
 - Continued working with Lockheed Martin Services, Inc. (LMSI) to convert Survey Simple to web-based application
 - Supported PFP in implementing radiological instrument contamination control method
 - Supported 100K implementing revised Workplace Air Monitoring requirements
 - Supported CHPRC Procurement in developing and approving contract for Contractor RCTs
 - Purchased Microshield software upgrade and scheduled on site vendor training for June 2015
 - Initiated procurement of new radioactive sealed source database software
 - Conducted Quarterly CHPRC ALARA meeting
 - Hired multiple open Radiation Protection staff positions
 - Continued work with site contractor Interface Management to revise the Administrative Interface Agreement for Integrated Biological Control Program Services
 - Approved two ACL extensions for PFP personnel
- o Nuclear Safety accomplishments:
 - Letter sent to RL in April include:
 - Letter, CHPRC-1501579, dated April 9, 2015, *Conditions of Approval Closure Path Forward and Safety Design Basis Definition for the Sludge Treatment Project Engineered Container Retrieval and Transfer System*
 - Letter, CHPRC-1501581, dated April 28, 2015, *Transmittal of the Evaluation of Safety of the Situation, the Operability Evaluation, and the Unreviewed Safety Question Regarding the Canister Storage Building Multi-Canister Overpack Shield Plug Port Seals*
 - Letter, CHPRC-1501546, dated April 29, 2015, *CHPRC Submittal of the Plutonium Finishing Plant Documented Safety Analysis, Revision 12, and the Plutonium Finishing Plant Technical Safety Requirements, Revision 12, for RL Review and Approval*
 - Letter received from RL in April include:
 - Letter, 15-NSD-0041_RL, dated April 14, 2015, *Conditions of Approval (COA) Closure Path Forward and Safety Design Basis Definition for the Sludge Treatment Project Engineered Container Retrieval and Transfer System*
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 204 Condition Reports (CRs) were screened in April:
 - Zero Significant issues identified
 - Four Adverse issues identified
 - 74 Track Until Fixed (TUF) issues identified
 - 56 Trend Only (TO) items identified
 - 68 Opportunity for Improvement (OFI) items identified
 - Two Screen Out
 - 270 CRs administratively closed
 - 439 CR actions administratively closed
 - Provided requested DOE-RL with a CRRS overview and Question/Answer session at the Federal Building

- Coordinated the scheduling of the Defense Nuclear Facilities Safety Board (DNFSB) Annual Board visit to Hanford
- Coordinated the recurring monthly CHPRC/DNFSB Information Request Status call
- Coordinated two recurring monthly DNFSB conference calls concerning STP status
- Coordinated two recurring monthly DNFSB conference calls concerning PFP status
- Fifteen documents were provided in response to DNFSB requests for information
- One external Lessons Learned was published in OPEX
- A Price-Anderson Amendments Act NTS report was issued regarding a positive USQ at the Canister Storage Building (CSB)
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Continued planning activities in support of the FY2015 Safety Culture Survey
 - Initiated required preparations for SHSQ-2015-NSPEB-13325, *Plutonium Finishing Plant Independent Assessment*, to be performed in May
 - Aligned Functional Managers and Technical Authorities for SHS&Q procedures
 - Completed work on Integrated Evaluation Plan (IEP) Update 1.3.0. User Manual update to support release of the update to Production.
 - Completed performance of IEP Upgrade Test Plans
 - Provided overview briefings to the Project Assessment Coordinators and Safety Management Program (SMP) owners on the SMP assessment process including the development of the current Key Attributes (KAs) and Lines of Inquiry (LOIs)
 - Initiated planning and in-field activities for 10 CFR 835, Subpart F, “Entry Control Program,” surveillance activity scheduled for April through June 2015
 - Scheduled and supported the Joint Evaluation Team (JET) evaluation of the WESF K3N ventilation system tie-in and cell grouting to define the type of review to be performed. Prepared meeting minutes, closed actions and obtained required approval signature to close the JET package.
 - Provided support to PFP to evaluate application of the PRO-055, *Startup Readiness*, process to PFP demolition activities. Drafting up the Level of Review Score Sheet and Technical Description document to support JET review of the review determination.
 - 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.
 - Released Revision 4 of PRC-MP-QA-599, *Quality Assurance Program Description*
 - Supported K-Basin Engineering in the development of a strategy to convert the historical Cold Vacuum Drying Facility electronic format system operations record into a format for placement in Integrated Document Management System (IDMS)
 - Performed an Suspect/Counterfeit Items briefing for CHPRC Procurement staff
 - Continued to support PFP and the CHPRC Respiratory Protection Program Administrator (RPPA) in the determination of the cause of their Mine Safety Appliance (MSA) breathing air hose coupling failure and development of corrective actions
 - Completed qualification of three Quality Assurance Engineers
 - Completed the annual CHPRC OCRWM program audit performed by CH2M Corporate with ten findings. Four opportunities for improvement were identified.
 - Updated the Lead Auditor Certification Form to improve clarity and functionality
 - Assisted the Canister Storage Building (CSB) organization in the development of a Commercial Grade Dedication methodology for the Multi-Canister Overpack (MCO) “C” seals that are currently in inventory

- Assisted Mission Support Alliance Crane and Rigging personnel in finalizing the NQA-1a-2009 language to be placed in the Hanford Hoisting and Rigging Manual
- 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 799 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. DOE/RL has disbanded the Be CAP Product Committee and has released our HAMTC representative back to the PRC for deployment back to our projects.
 - 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. Provided OSHA record keeping briefing to involved CHPRC personnel to explain how and why injury reporting complies with our contract and federal/state laws.
 - 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 DSA Revision 12 development.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**
 - o A response to Ecology's inspection report that expressed concerns with the TSD permittee inspection program at 207-A South Retention Basin was prepared and provided to RL
 - o A response to Ecology's B Plant RCRA inspection report was prepared and provided to RL
 - o RL received a NOV from EPA for alleged RCRA violations at CWC, LLBG and the Centralized Consolidated Recycling Center (400 Area). Formal response was sent by RL to EPA on April 29, and was largely the proposed response prepared by CHPRC. There are factual problems with some of the allegations, and others are in conflict with requirements of the January 2014 Agreed Order with Ecology.
- **RCRA Permitting Progress**
 - o Progress achieved with Ecology on the 207-A South Retention Basin and FS-1 draft closure plans
 - o Providing support to the site-wide Hanford Emergency Management Plan (HEMP) revision; however, the schedule for HEMP modifications to the Hanford Facility RCRA Permit continues to slip as issue discussions are delayed or rescheduled
 - o Discussions continued with EPA and Ecology on RCRA and other approvals needed for storage of K Basins sludge at T Plant

Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**
 - Inspection 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.
 - In preparation for the external certification audit in June, an internal assessment of the CHPRC Environmental Management System (EMS) was performed April 6-27, 2015 and an assessment closeout meeting was held on April 30, 2015. Eight minor non-conformances and three opportunities for improvement were identified.
 - Planning was started for an assessment of all CHPRC facilities to evaluate compliance with regulatory requirements (RCRA, CERCLA, Air). The team will be comprised of assessors from CH2M, PNNL, WCH, and CHPRC.

Business Services

- **Acquisition Planning**
 - Developed the Acquisition Plan for the in-basin construction service work in support of the Engineered Container and Transfer System
 - Developed the procurement strategy and statement of work for the acquisition of temporary Radiological Control Technician support
 - Developed the acquisition strategy for training field crews on the sealing of double-wall high-density polyethylene (HDPE) pipe
 - Developed the acquisition strategy to support the on-going construction work at the Maintenance and Storage Facility
 - Developed the Acquisition Plan for the initial T-Plant equipment removal and installation work in support of the Sludge Treatment Project
 - Provided information and training to Material Services staff on the use of SCMC strategic sourcing commodity agreements
- **Facilities & Property Management**
 - Transferred trailer MO180 to WRPS as part of reutilization objectives
 - Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 60.41 percent of 3,407 items through April. All reviewed property located.
 - Initiated the transfer of CESTR capsules from WESF to RL for borehole test program
 - FIMS Property Validation effort: two chillers needing cost validation at WESF transferred to WRPS
 - In process of excessing the PFP Liquid Nitrocision System mounted on a DOT trailer for reutilization
 - Supplied all requested documentation for the FY2015 KPMG property audit. Tentative field visit is the week of June 8, 2015.
- **Finance**
 - Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits
 - April month end completed with no suspensions after coordination with Jim Urban, RL
 - Provided support for FY2015 Forward Pricing Rate audit by KPMG
 - Provided support to Internal Audit for the General Ledger Account Reconciliation audit
 - Continued to analyze potential training on overtime activities and associated costs prior to FY2014
- **Human Resources**
 - The Human Resources staffing employees participated in a career fair at Columbia Basin College. The job fair objective was helping veterans get back to work.

- **Labor Relations**

- o The union requested that the arbitration scheduled in May for grievance – PRC-013-045 – (Contracted Work Scope @ 100K Water Treatment Plant) be cancelled and potentially rescheduled to allow them additional time to review the issue
- o One new grievance PRC-015-007 (Cancelled overtime payment) was requested for arbitration by the union during this reporting period
- o Awaiting decision on 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 109 contracts with a total value of \$7.28 million. Additionally, awarded 138 new material purchase orders valued at \$693,356 to support ongoing project objectives.
- o At the end of the first 79 months of the PRC, procurement volume has been significant; \$2.21 billion in contract activity has been recorded with approximately 51.13 percent, or \$1.13 billion, in awards to small businesses. This includes 6,840 contract releases, 18,715 purchase orders, and 220,624 P-Card transactions.
- o Completed and issued three Advance Planning Documents for review or approval associated with 100K and 200W Pump-and-Treat support.
- o On April 9, 2015, CHPRC awarded Modification 2 to Contract 54134-1 to Columbia Energy & Environmental Services. This Contract is for the Sludge Treatment Project ECRTS Buy Back Set 3 General Service Fabrications. Modification 2 incorporated Change Orders 1-18, excluding 11 and 13, into the contract. This Modification increased the Contract value from \$2,278,840.74 to \$2,384,819.84, or an increase of \$105,979.10.
- o Ojeda Business Ventures was awarded an additional \$1,805,050.54 on April 14, 2015, to BOA 36883, Release 20, Amendment 7, for continued support on the Tie-In Injection and Extraction Wells for the S&GRP. This award was made with a limitation of funds of \$1,200,000.00 until the remaining budget is approved, which is estimated to be late May 2015. This Release was awarded on a time and material basis.
- o On April 9, 2015, Contract 56831 was awarded to Environmental Assessment Services for Water Tank Inspection Services of 4 water tanks. The tanks are located at 100K Area, two tanks at 400 Area and one at 200E. Competition was attempted and two proposals were received; however, only one was determined to be technically responsive. The contract was awarded on a time and material basis due to the many unknowns of time required and the Other Direct Costs associated with the use of divers and safety requirements. The original proposal was for \$550,899.05 and after negotiations, and with the assistance of a CHPRC Cost/Price Analyst, the contract was awarded at a not-to-exceed amount of \$389,360.
- o On April 22, 2015, CHPRC Contract 48767-02 was awarded to Cascade Drilling LP for the "Installation of 9 Direct Push Borings in the 200-DV-1 Operable Unit, Plus 19 Optional borings, FY2015," work scope in the amount of \$478,485 on a fixed unit rate basis. This was a result of a competitive solicitation RFP 276295, which was provided to the CHPRC Drilling BOA holders.
- o On April 2, 2015, CHPRC Contract 48767-01 was awarded to Cascade Drilling LP for the "Installation of three 200-UP-1 Injection OU Wells, FY2015," work scope in the amount of \$1,257,837 on a firm fixed price basis. This was a result of a competitive solicitation RFP 275805, which was provided to the CHPRC Drilling BOA holders.
- o On April 2, 2015, CHPRC Contract 56189-03 was awarded to Holt Services, Inc. for the "Installation of 30 Plus One Optional Wells in the 300-FF-5 OU, FY2015," work scope in the amount of \$538,209 on a firm fixed price basis. This was a result of a competitive solicitation RFP 276184, which was provided to the CHPRC Drilling BOA holders.

Prime Contract and Project Integration (PC&PI)

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

- o In April, CC&CM received and processed three contract modifications (numbers 399-401) from RL. The Correspondence Review Team received and determined the distribution for 67 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 34 outgoing correspondence packages.
- o Finalized the draft Prime Contract Management Plan and initiated review within the PRC Procedure System
- o Continued to support RL in development of Contract Line Item Number (CLIN) 7 removal strategy
- o Issued Key Personnel letters
- o Worked with RL on making administrative adjustments to Section B (B.2) and Section J.11, to update contract terms to more accurately reflect the assignment of CLINs against the contract structure and Table B.4-1 to reflect adjustments/corrections not yet incorporated into a conformed version of the table

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
0	0	2	0	0	0

- o Estimating & Program Support (ESS) provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Continued support to development of the estimate supporting the Demolition Capital Asset Project; delivered estimate draft for time phasing and pricing, on April 28, 2015
 - Sludge Treatment Project (STP):
 - Continued estimating efforts in support of the Capital Asset project ICE-EIR. Conducted scope meetings with project managers, control account managers and subject matter experts. Added an additional corporate resource to supplement the estimating team on April 13, 2015.
 - Supported a meeting between the RL CO and the STP project manager on April 27, 2015, to address questions and provide justification for subcontract costs included as impacts in the REA 012 1454, Sludge Treatment Project FY2013 Sequestration Impacts. The results of a TINA review and adjustments to price will be submitted in May 2015.
 - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project:
 - Reached price agreement on April 8, 2015 for CP 013 263, ERDF Leachate Transfer Pipeline Installation. The definitizing modification is in process at RL.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Reached price agreement on April 16, 2015 for CO 261 Installation of Unloading Station at the 200 West Pump-and-Treat Facility. The definitizing modification is in process at RL.
 - Delivered the results of the TINA review for CO 264, 200-UP-1 Uranium Treatment inside 200 West Pump-and-Treat on April 8, 2015. Price agreement was reached on April 15, 2015 and the definitizing modification is in process at RL.
 - Delivered the results of the TINA review for the proposal CP 030 1511, 200-UP-1 Southeast Chromium Plume, on April 9, 2015

- o Estimating & Program Support completed the following activities:
 - Conducted a partnering session on April 14, 2015 with the RL CO and other RL/CHPRC senior staff, designed to exchange information and ideas toward improvement in processing Change Proposals. Several clarifications emanating from the meeting were beneficial to the timing and coordination of requests and post submittal reviews.
 - Updated MSA, HSSA (Craft Labor), and material rated in SAGE database
 - Coordinated activities with SAGE vendor to troubleshoot and identify issues related with software upgrade
- **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 14 Baseline Change Requests (BCRs) into the Performance Measurement Baseline (PMB)
 - o Comments were made to the draft Baseline Update Guidance (BUG) documents from RL, which supports the contractual deliverable to provide an annual update to the PMB. The deliverable is scheduled for July 31, 2015.
 - o The new Earned Value Management (EVM) Training Program Description (TPD) PRC-STD-TQ-52996, was approved and published. 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 are under development.
 - o Received DOE-RL A-15-ESQ-PRC-001, Assessment of CHPRC PFP Project Performance and Goals, and began development of proposed CHPRC response.
- **Strategic Planning and Integration**
 - **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Continued to facilitate resolutions regarding issues surrounding MSA/WRPS proposed site layouts for trailer/parking installations on or near CHPRC WIDS sites
 - Ongoing review and update of the Hanford Site Interface Management Plan
 - Made notification to affected CHPRC projects that MSA EU services has a full summer of scheduled work and that projects should do the best they can to forecast upcoming outage work early. MSA EU will do the best they can to meet emerging needs.
 - Facilitating One System requests for CHPRC reviews of ICD-3/15 Implementation Matrix reviews
 - Participated in the 207A South Retention Basin walk down in support of possible D&D of the basin. Coordination with WRPS required and will involve coordination of an Ecology regulatory finding regarding previous surveillances.
 - Facilitating CHPRC response to MSA regarding Unsecure Core Construction Repairs/Corrections
 - Provided WRPS with documentation reflecting the “Hybrid Task” capabilities with MSA for shop type work
 - Reviewing and testing new MSA resource scheduling software

- o Annual Forecast of Services:
 - Status of usage based services communicated to MSA as appropriate. FY2016 PFP Fleet Mechanics and other increased service needs were discussed with MSA at the Project and Interface Management team levels
 - Provided notice to MSA to assign 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:
 - Completed internal reviews of the draft annual Infrastructure and Services Alignment Plan (ISAP) report from MSA
 - Hosted the Contractor Interface Board meeting. Main topic was Hammer Training and HPMC onboarding process under the stress of staffing increases within MSA/WRPS/CHPRC
 - Prepared draft letter to DOE AMRP Contracting Officer requesting review of the Occupational Medicine Services contract terms to help facilitate flexibility in operational hours to meet ramp up demands of the OHC
 - 100K A9 Electrical Distribution fence installation completed
 - Facilitated CHPRC response to WRPS SWITS modification request in support of a 222-S process improvement
- o Controlling and Service Agreements:
 - Issued HNF-52028, AIA for notifications (Injuries, exposures, uptakes, etc) between CHPRC and MSA
 - In process items: Bio Controls AIA, Water ICD, and ERDF Leachate ICD
 - Provided feedback to DOE-RL and MSA regarding DOE proposed wording change to J.3-33 Analytical Services and J.3-89 Janitorial Services items
 - Continued efforts in supporting annual review of the J.3 Service Delivery Documents
- o J.13/J.14 Tables:
 - Performing internal review of WRPS request to transfer three waste sites to WRPS (24-S-302, 241-AZ-154, and 241-ER-311)
- o Internal Operations:
 - Provided comments on the PRC Requirement Matrix
 - Provided comments on ICWO for WRPS to receive ETF ECO support from CHPRC
 - Participated in MSA Respiratory Protection briefing addressing staffing and support under the increased OHC demands
- **Information Management**
 - o Software development of the Respiratory Protection Equipment Tracking automated system completed. Acceptance testing is planned for May 5, 2015.
 - 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 13,642 Electronic Records into the Integrated Document Management System (IDMS)
- **Performance Analysis & Risk Management Integration**
 - o Work continued on the development of the new Productivity Tracking Log (PTL). This log is intended to be a log to permit more effective identification, tracking, trending and implementation of productivity issues at both the project and company level. The PTL is scheduled to roll out in November 2015.

Project Technical Services (PTS)

- **Central Engineering**

- **Fire Protection Engineering**

- Completed T Plant Three Month Combustible loading surveillance. Identified items completed and procedure enhanced.
 - Supported T Plant Canyon entry and post jobs as part of the initial entry team
 - Performed evaluation of friction mats between pallets and waste containers at CWC
 - Prepared WSA to document T Plant Canyon entry and T Plant three month TSR completion
 - Issued the Fire Marshal Permits for the Hanford Patrol Training Exercise at the 200 Area ISA, the Water Tank Inspections, and the T-Plant Power Outage

- **Engineering Services**

- Supported PFP D&D project in the evaluation of the existing floor framing and design of additional steel supports for a new 5,000 lb. lift table in room 260 to lift SWBs up to the elevator level
 - Supported S&GRP in the Fall Protection Plan for 200 West Pump-and-Treat 289T RAD Building
 - Assisted 100KW Annex engineering with a review of a heat trace calculation for four piping lines to be installed in the pipe chase
 - Provided ECRTS engineering interpretation of IEC IP65 rated enclosure for seismic switch
 - Provided guidance for MSA personnel performing refrigeration equipment services (RES) maintenance at MASF

- **Engineering Standards/Programs**

- Developed a standard, PRC-STD-EN-52773, to replace PRC-PRO-EN-489, Third Party Inspections
 - Issued latest revision of PRC-STD-FP-40404, Fire Protection Program, for approval

- **Procedures and Training**

- Twelve participants completed Crucial Conversations training. Four continued on to complete the Crucial Conversations facilitator certification.
 - Supported field observations at Respiratory Issuer stations identifying best practices and improvements
 - Teamed with the Performance Assurance group to develop draft Safety Conscious Work survey
 - Worked with Construction Buyer's Technical Representative to define a process for handling training and medical logistics when onboarding subcontractors
 - Implemented new Training and Procedures organization structure
 - Supported RL training assessment for Operator/Technician/Maintenance/Craft Training Implementation Matrix positions
 - Continued ECRTS training and procedures development

- **Operations Program**

- Developed crystal report for Fire System Maintenance (FSM) Periodic Maintenance (PM) activity status/process. Met with FSM and each of the projects to review PM Overdue List and determine project internal tracking system for FSM PMs
 - Supported development of productivity tracking tool for response to OIG concern regarding work delays for the site
 - Supported projects for LOTO: Coordination of EU hold off tags and over-tagging requirements, safe to work checks for divers performing tank inspections, and control of AW keys for divers while performing tank inspections
 - Supported PFP critique for discovery of energized electrical circuit during D&D activity in A-Labs and reviewed draft critique report

- **Project Delivery**

- **S&GRP Wells**

- o BP-5 Transfer Line – Completed eight of nine road crossings, completed bonding of 2,200 LF of double-wall high-density polyethylene (DWHDPPE)
 - o UP-1 transfer line – Completed pressure testing of both transfer lines from YE25 & YE26. Commenced install of electrical rack at YE26 and continued fiber run to 200W P&T
 - o Continued with 100 Area well realignments
 - 15,000 LF of HDPE bonded and installed
 - 11,500 LF of fiber optic cable installed
 - 2,300 LF of Belden Cable installed
 - 15,000 LF of type W cable installed
 - o Continued with the 100HX Process/Transfer Building Modifications
 - 12 motor operated valves installed and tied-in
 - Completed modifications to hand-off auto power racks
 - o Completed well tie in at YJ08 (200W)

- **S&GRP Facilities**

- o Completed the installation of the two borehole enclosures at 100KE site

- **RAD Building Mods**

- o USIT-Y10 tank received and installed
 - o Continued with Process Piping mods and skid install

- **DWF&RS Projects**

- o Completed install of fencing at A9 substation
 - o Completed insulation repair work at 1803 Raw Water Tank
 - o Commenced replacement of the 189 facility Clearwell Tank
 - o Prepared SOW and RFP for Building 6267 (WSCF) modifications
 - o Commenced preparation of functional requirements document and SOW for REDOX roof recover
 - o Submitted 90 percent design comments on WESF ventilation and stabilization project

- **T-Plant Construction**

- o Conducted two constructability design comment resolution meetings with engineering and outside contractor

- **KW Annex Construction**

- o Initiated the installation of the insulation on the HVAC ducting
 - o Continued the construction of the change room within the Intermediate Bay
 - o Continued fire caulking of the ME/EE penetrations throughout the Annex
 - o Continued instrument air installation in the ME and HEPA rooms
 - o Completed fire line tie-in, flush and hydrostatic testing
 - o Completed the placement of the first of two Baker Tank
 - o Completed to the extent possible (due to holdbacks required for upcoming hose-in-hose installation) the stainless steel (AG-1) exhaust installation in the HEPA room to the Load Out Bay

- **Communications**

- o CH2M Communications successfully and proactively promoted Hanford cleanup progress during the month of April. Newspaper and television mediums covered progress removing the last of the pencil tanks from the Plutonium Reclamation Facility, the borehole drilling and characterization work near

the 100-K East reactor, and Hanford employees teaching children about safety and Hanford careers through the After School Matters program.

- Communications supported the Department of Energy in fulfilling the Hanford Advisory Board's request for a panel presentation of presidents of Hanford contractors. The Communications organization also supported the audio webcast of the April 28 budget public workshop.
- With the Hanford public tour season underway, Communications hosted four public tours at the 200 West Pump-and-Treat facility during the month of April, with positive feedback received from tour guides.

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	0.2	0.2	0.2	0.0	0.0%	(0.0)	-1.5%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	(0.0)	-73.3%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	20.8%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-20.8%
Safety, Health, Security and Quality	1.3	1.4	1.2	0.0	0.2%	0.1	8.0%
Environmental Program and Strategic Planning	0.4	0.4	0.4	0.0	0.0%	0.0	1.9%
Business Services	1.8	1.8	1.9	0.0	0.0%	(0.1)	-3.7%
Prime Contract and Project Integration	1.4	1.4	1.8	0.0	0.0%	(0.3)	-23.3%
Project Technical Services	0.7	0.7	0.6	(0.0)	-0.6%	0.1	14.2%
Indirect WBS 000 Total	6.2	6.2	6.4	(0.0)	-0.0%	(0.2)	-3.7%

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: (-\$0.2M/-3.7%)

Variance is within reporting thresholds.

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

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Office of the President	1.0	1.0	1.1	0.0	0.0%	(0.2)	-15.9%	1.7
Internal Audit	0.4	0.4	0.7	0.0	0.0%	(0.3)	-77.3%	0.7
General Counsel	0.7	0.7	0.6	0.0	0.0%	0.1	13.4%	1.2
Communications	0.6	0.6	0.7	0.0	0.0%	(0.1)	-18.1%	1.0
Safety, Health, Security and Quality	7.9	7.9	6.8	(0.0)	-0.1%	1.1	13.7%	13.9
Environmental Program and Strategic Planning	2.4	2.4	2.4	0.0	0.0%	0.0	1.3%	4.3
Business Services	10.5	10.5	10.7	0.0	0.0%	(0.3)	-2.5%	16.2
Prime Contract and Project Integration	11.5	11.5	10.6	0.0	0.0%	0.8	7.4%	20.4
Project Technical Services	4.1	4.1	4.2	(0.0)	-0.3%	(0.1)	-2.8%	7.3
Indirect WBS 000 Total	38.9	38.9	37.8	(0.0)	-0.1%	1.1	2.9%	66.7

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

Variance is within reporting thresholds.

FYTD Cost Performance: (+\$1.1M/+2.9%)

Variance is within reporting thresholds.

Baseline Change Requests

BCR-000-15-002R0 – *Deletion of Electronic Time Keeping Verification System Scope*

BCRA-PRC-15-032R0 – *HPIC Updates – April 2015*

BCR-PRC-15-031R0 – *Undistributed Budget Adjustments – April 2015*

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

-  Increased Confidence
-  No Change
-  Decreased Confidence

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
Executive Level Risks																					
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for the month of April.																					
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.	<table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement salary increase fund</td> <td rowspan="4">FY2015</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Proposed PFP incentive program</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop/implement CHPRC People Legacy Program</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Draft retention and recruiting plan investment for FY2015.</td> <td>05/28/15</td> <td>25</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Implement salary increase fund	FY2015	Complete	100	Proposed PFP incentive program	Complete	100	Develop/implement CHPRC People Legacy Program	On-Going	N/A	Draft retention and recruiting plan investment for FY2015.	05/28/15	25
Risk recovery action(s)	Risk Date	FC Date	%																		
Implement salary increase fund	FY2015	Complete	100																		
Proposed PFP incentive program		Complete	100																		
Develop/implement CHPRC People Legacy Program		On-Going	N/A																		
Draft retention and recruiting plan investment for FY2015.		05/28/15	25																		
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 April.																					
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																					
No high threat value risks identified in the month of April.																					
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.