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President and Chief
Executive Officer

Monthly Performance Report

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July 2015
CHPRC-2015-07, Revision 0

CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	5
KEY ACCOMPLISHMENTS	6
MAJOR ISSUES.....	6
EARNED VALUE MANAGEMENT	7
FUNDING ANALYSIS	8
BASELINE CHANGE REQUESTS	8
SELF-PERFORMED WORK.....	11
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	11

PROJECT BASELINE SUMMARY SECTIONS

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

APPENDICES

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

EXECUTIVE SUMMARY

- CH2M HILL Plateau Remediation Company advanced cleanup throughout the Hanford Site during the month of July. Major accomplishments included:
 - The Plutonium Finishing Plant (PFP) Project made significant progress in size reducing glove box HC-9B and entered the Plutonium Reclamation Facility (PRF) canyon to begin cleaning out the canyon floor pans.
 - The Waste and Fuels Management Project (W&FMP) completed the removal of the waste container in the WESF canyon and opened the contract bidding period for the WESF Stabilization and Ventilation Project.
 - The Soil and Groundwater Remediation Project (S&GRP) completed installation of the final well that was installed as part of the FY2015 Pump-and-Treat optimization plan. The new wells will allow the facilities to run at greater than 100% capacity.
 - The K Basin Operations and Plateau Remediation (KBO&PR) Project completed the “hose-in-hose” chase from the K West Basin to the nearby Annex. The “hose-in-hose” chase is a transfer line that contains an outer hose and an inner hose, in which sludge will be transferred from the K West Basin to the Annex.



PFP workers peer inside the Plutonium Reclamation Facility canyon.



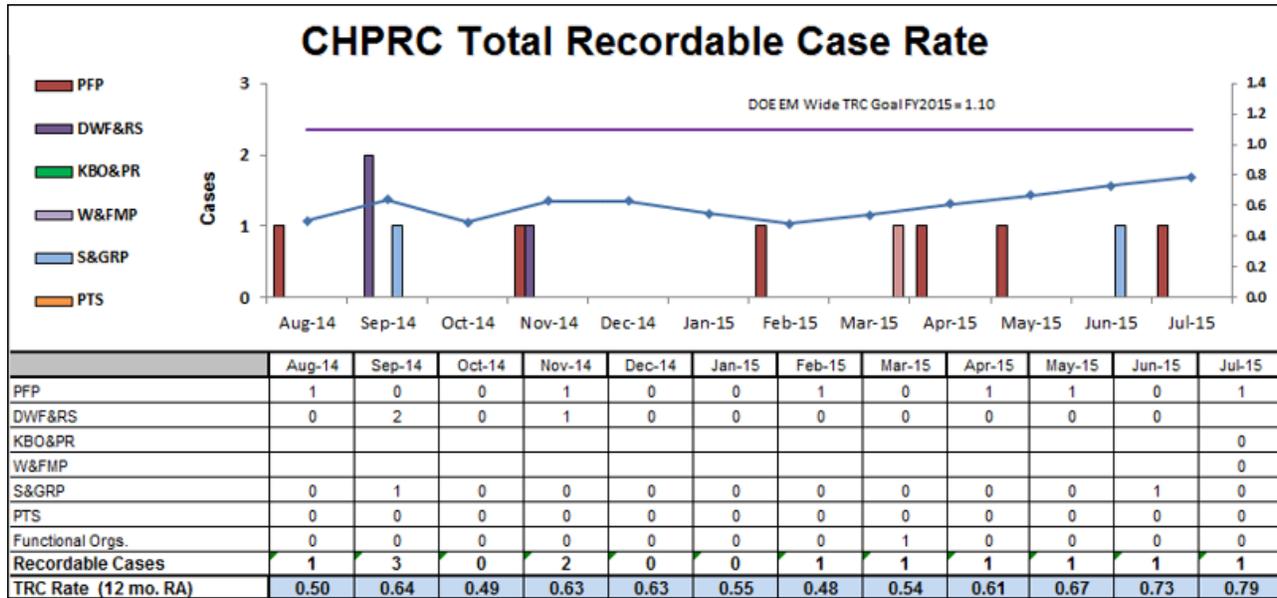
Workers at WESF filled and removed a waste container from the canyon.

- The President’s Zero Accident Council (PZAC) meeting for July 2015 was hosted by the Environmental Program & Strategic Planning organization. The three main themes for the meeting were:
 - o Your Identity
 - o Your Possessions
 - o Your Environment
- Four “*Thinking Target Zero*” (TTZ) bulletins were published in July to convey important occupational safety, health and environmental messages:
 - o Barricade Security
 - o Voluntary Protection Program (VPP) Passport Game
 - o Ultra Violet (UV) Safety Month
 - o Summer Water Safety
- Two Special Safety TTZ bulletins were issued in July to address emergent security issues:
 - o Barricade Security
 - o Security Badges Required
- *Weekly Safety Tailgate* briefing packages in July communicated relevant topics and safety information to the workforce:
 - o Four Lessons Learned: Secure the Load; Fall Protection Permits; Arc Flash Accident Investigation Team Report – Los Alamos; Worker Struck on Hard Hat by Falling Wrench – Savannah River
 - o Cutting the Lawn
 - o Beryllium Sampling Labeling
 - o VPP – Lucky Passport Game
 - o Safety Re-Focus Before Returning to Work Following Independence Day
 - o Material Storage in the Office
 - o Summer Safety – Hot Objects
 - o Security Badge Reminder
 - o Temporary Speed Reduction on Route 4
 - o “What Would You Do?” Ethics Awareness messages
 - o Injury/Illness Summaries and the TTZ of the week
- July Weekly Updates featured blogs that highlighted safety, health and environmental messages:
 - o Terry Vaughn, Vice President of Safety, Health, Security & Quality, emphasized safe driving practices on the Hanford Site.
- Highlights of safe and compliant progress on two projects were highlighted by Ray Geimer, Vice President of K Basin Operations & Plateau Remediation and Connie Simiele, Vice President of Waste & Fuels Management Project. The July Kudos Corner recognized individuals and teams who made a significant contribution to safety at work, home or play:
 - o An individual was recognized for past service as the VPP Coordinator for the former Decommissioning, Waste, Fuels and Remediation Services Project.
 - o PFP employees who helped a coworker leave a contaminated area and remove his personal protective equipment after that employee injured his knee.
 - o A Soil & Groundwater Remediation Project employee who noticed substantial soil erosion between MO-2331 and the parking lot. Supervision was notified and barriers placed to prevent access and potential injury.
 - o A Waste and Fuels Management Project employee who, while on the way to work, stopped after noticing an SUV had rolled over. The employee called 911 and relayed there was an individual

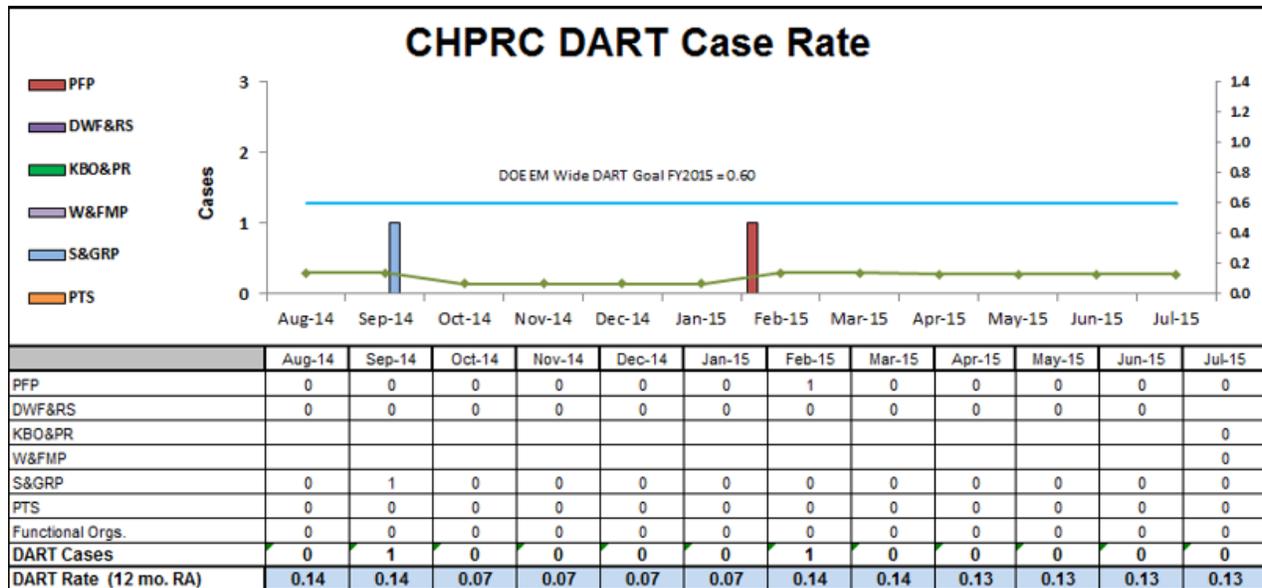
in the car who was responsive, but had cut his head and was stuck in the vehicle. The employee provided the man with a blanket and stayed with him until the ambulance arrived.

TARGET ZERO PERFORMANCE July 2015

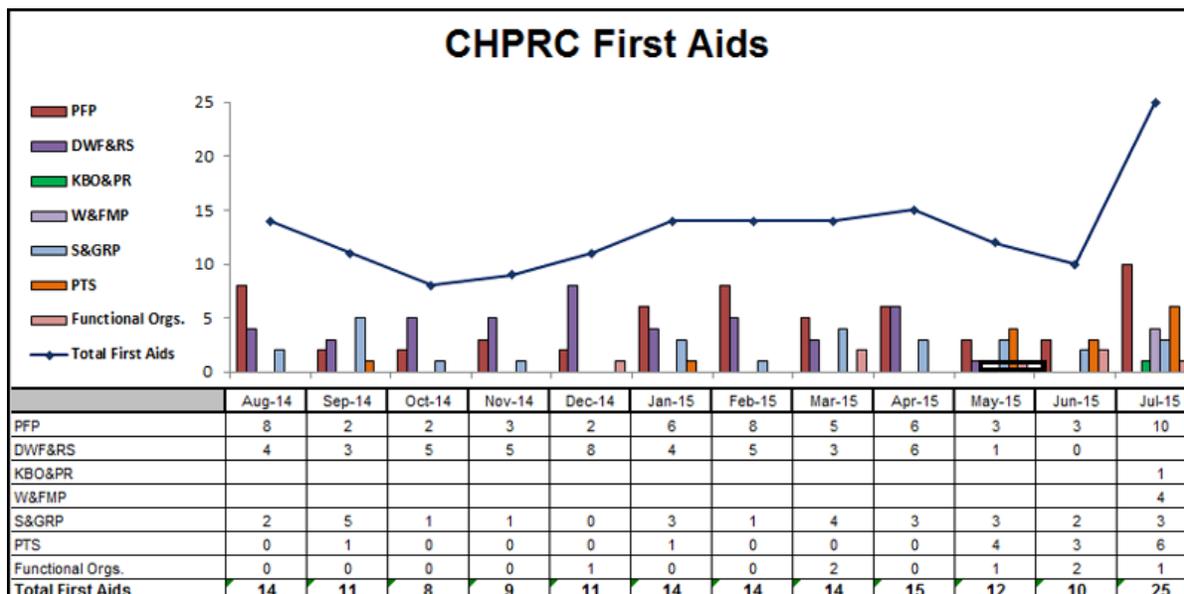
CHPRC continued focusing on integrating and implementing safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate: The 12 month rolling average TRC rate of 0.79 is based on a total of 12 Recordable injuries. There was one Recordable case for July. There is one case 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 July.



First Aid Case Summary: CHPRC reported 25 first aid cases in July 2015; of these, 16 cases required no treatment. There were 10 self-treated injuries. The contributors were 10 insect bites / stings, 7 sprains / strains / pains, 4 abrasions / contusions, 2 miscellaneous, 1 eye irritation and 1 laceration.

KEY ACCOMPLISHMENTS

Projects

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

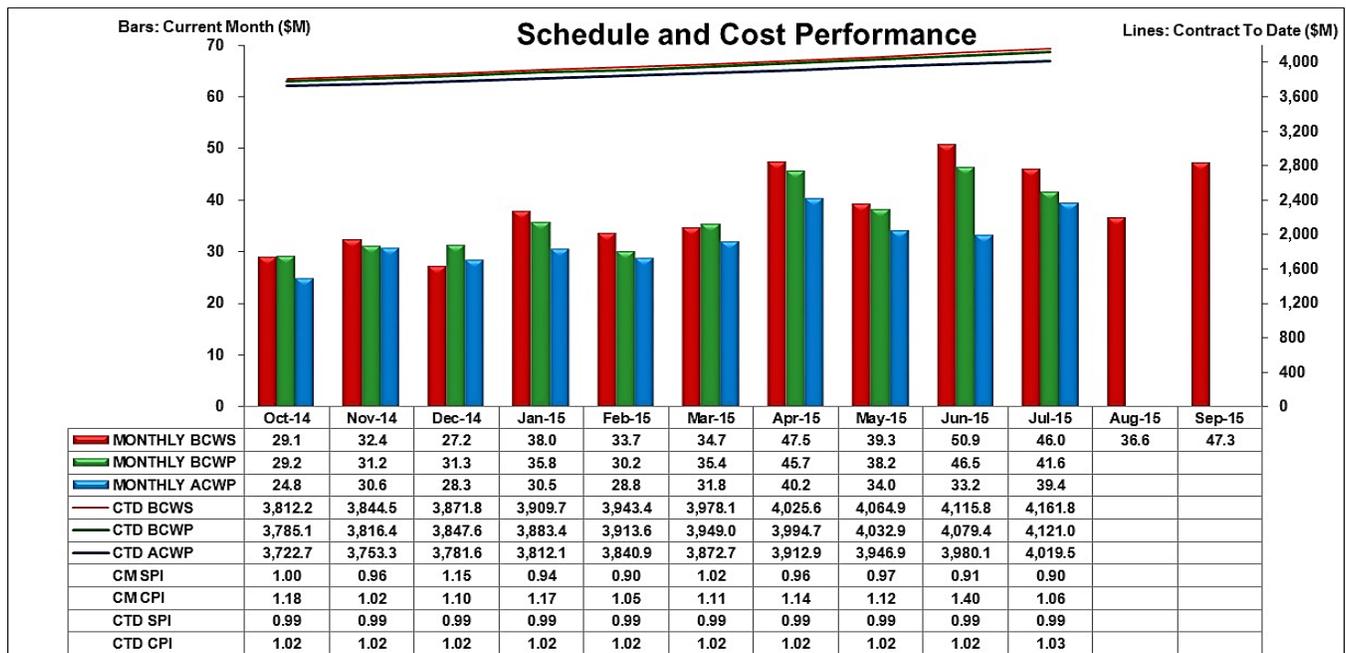
Project Services and Support

- 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



	SM					SM					SM		
	Current Period					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			
RL-0011 - Nuclear Materials Stab & Disp PFP	11.3	10.3	9.5	(1.0)	0.7	836.9	803.8	823.8	(33.1)	(20.0)	953.0	952.2	0.8
RL-0012 - SNF Stabilization & Disposition	8.5	6.4	8.1	(2.0)	(1.6)	500.6	501.0	512.6	0.3	(11.6)	696.2	761.1	(64.9)
RL-0013 - Solid Waste Stab & Disposition	9.4	9.0	7.8	(0.4)	1.2	963.2	962.3	911.0	(0.9)	51.3	1,363.2	1,287.7	75.4
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	14.3	13.4	11.8	(0.9)	1.6	1126.8	1120.6	1100.9	(6.2)	19.7	1,540.8	1,493.0	47.8
RL-0040 - Nuc Fac D&D - Remainder	1.4	1.3	1.1	(0.0)	0.2	399.2	398.8	367.4	(0.4)	31.3	462.4	425.6	36.7
RL-0041 - Nuc Fac D&D - RC Closure Project	1.0	0.9	0.9	(0.1)	(0.1)	315.3	314.8	287.4	(0.5)	27.4	397.9	373.4	24.6
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1	19.7	19.7	16.3	0.0	3.4	26.7	22.8	3.9
Total	46.0	41.6	39.4	(4.4)	2.2	4,161.8	4,121.0	4,019.5	(40.8)	101.5	5,440.2	5,315.9	124.3

(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 \$124.3 million with \$79.9 million of Management Reserve for a total positive variance of \$204.2 million.

For July, the project was 9.6 percent behind schedule and 5.3 percent under planned cost. For FY2015, the project was 3.6 percent behind schedule and 11.9 percent under planned cost. The current month negative schedule variance is primarily due to RL-0012 delays in construction associated with Annex equipment installation negatively impacted schedule performance. In addition, delays in procurement of materials planned in the period for Safety Trained Supervisor Construction (STSC) fabrication was experience. RL-0011 also experienced lack of resources required to complete balance of 234-5Z work. Available resources have been assigned to complete higher priority, critical path work (i.e. RMA/RMC glovebox removal, 242-Z demo prep, and 236-Z Canyon cleanup), as a result, the balance of 234-5Z

scope is not staffed or performing as planned. The current month favorable cost variance is due to RL-0030 closure of the onsite WSCF Laboratory and subsequent use of offsite laboratories has resulted in analytical costs lower than planned.

FUNDING ANALYSIS

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

PBS	Project	FY 2015		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	128.1	113.1	15.0
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	86.1	78.5	7.6
RL-0013	Waste and Fuels Management Project	91.4	90.5	0.9
RL-0030	Soil, Groundwater and Vadose Zone Remediation	138.5	129.0	9.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	18.4	13.7	4.7
RL-0041	Nuclear Facility D&D, River Corridor	11.5	9.5	2.0
RL-0042	Fast Flux Test Facility Closure	2.2	1.6	0.5
Total Base:		476.2	436.0	40.2

Funds/Variance Analysis

FY2015 expected funding was reduced \$2.3M for holdbacks from RL, which included \$2M to fund Office of River Protections (ORP) work on the Integrated Disposal Facility (IDF) Performance Assessment (PA) and \$0.3 million for the Office of Project Management Oversight and Assessments (PMOA) Independent Cost Estimate (ICE) to support approval of CD 2/3 for the K West STP. Projected Funding changed from \$478.5 million to \$476.2 million. The FY2015 Spend Forecast decreased by \$17 million from last month, for a revised projected uncostered funding balance of \$40.2 million.

BASELINE CHANGE REQUESTS

In July 2015, CHPRC approved and implemented nine (9) BCRs impacting the PMB. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
BCR-013-15-013R0	<i>Move WESF Stack Monitoring to Planning Package</i>	This BCR modifies activity WESFCO259.0180 – Complete Long Lead Procurement of Stack Monitoring System FY2016, in WBS 013.02.02.02.02 by converting it from a work package starting October 1, 2015 to a planning package starting January 27, 2016. This modification permits time for a determination of whether regulatory approval can be obtained for the initiative to pursue a more efficient stack monitoring system, as well as review of potential risks associated with that initiative. This BCR did not change the PMB value.
BCR-030-15-023R0	<i>Definitization of CO #262, 200W P&T Membrane Bioreactor Addition</i>	This BCR modifies the PMB to align with the definitization of Change Order (CO) #262, 200W P&T Membrane Bioreactor Additions, as documented in Contract Modification (CM) 408. This BCR decreased the PMB by \$200K.

Change Request #	Title	Summary of Change
BCR-041-15-014R0	<i>KE Boreholes Analytical Support Planning Revision</i>	This BCR removes BCWS associated with 222-S Laboratory sample analysis scope for samples taken from the UPR-100-K-1 borehole. Per the PRC J-3, Hanford Site Services and Interface Requirements Matrix, RL direct funds the LAS&T Contractor to perform the J-3 Matrix Service Sample Analysis (highly radioactive / 222-S Laboratory support). The value removed from BCWS is being placed in Management Reserve. This BCR decreased the PMB by \$119K.
BCR-030-15-021R0	<i>CO #271, TPA Administrative Record Upgrade</i>	This BCR adds scope associated with CO # 271, TPA Administrative Record Upgrade, as a Not to Exceed (NTE) value of \$42K per CM 413. This BCR increased the PMB by \$42K.
BCR-030-15-022R0	<i>CO #268, Decommission of Cone Penetrometers and Soil Tubes at 1100-EM-1</i>	This BCR adds scope associated with the CO #268, Decommission of Cone Penetrometers and Soil Tubes at 1100-EM-1, as a NTE value of \$50K per CM 410. This BCR increased the PMB by \$50K.
BCR-030-15-024R0	<i>Update to PBS RL-030 for TPA Milestone M-016-190</i>	This BCR incorporates approved TPA change package M-16-15-05, Extend Milestone M-016-190 Due Date for the Installation of 200-UP-1 Extraction and Injection Wells, into the PMB baseline. The change revises the TPA Milestone M-016-190 due date from September 30, 2015 to December 29, 2015. This BCR did not change the PMB value.
BCRA-041-15-013R0	<i>PBS RL-041 Schedule Health, Remove Redundant Network Logic</i>	This BCR makes administrative changes to network logic to remove redundant logic ties within the PMB schedules for PBS RL-0041. These changes do not impact dates. This BCR did not change the PMB value.
BCRA-PRC-15-047R0	<i>Schedule Health, Remove Redundant Network Logic</i>	This BCR makes administrative changes to network logic to remove redundant logic ties within the PMB schedules for PBS RL-0011, RL-0012, RL-0013, RL-0041 and RL-0042. These changes do not impact dates. This BCR did not change the PMB value.

UB Activity

BCR Number	Title	Fiscal Year	UB
BCR-PRC-15-049R0	<i>Undistributed Budget Adjustments July 2015</i>	N/A	(\$5,177K)

Overall, the contract Performance Measurement Baseline budget decreased by \$5,404K.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-041-15-013R0	<i>KE Boreholes Analytical Support Planning Revision</i>	2015 - 2018	\$119K

Overall, there was an increase of \$119K to Management Reserve during July.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
NA	NA	2014 - 2018	NA

Overall, there was no change to Fee during July.

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):

July 2015 Summary of Changes

	FY 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
June 2015 Estimate									
PMB	3,391,477	391,653	462,819	423,261	358,156	418,195	2,054,084	5,445,561	5,445,561
MR	0	0	7,949	20,639	20,506	30,650	79,743	79,743	79,743
Fee	155,504	14,325	14,501	19,800	8,800	16,573	73,999	229,503	229,503
Total	3,546,981	405,978	485,269	463,700	387,462	465,418	2,207,827	5,754,808	5,754,808
July 2015 Change									
PMB									
Change to PMB	0	0	-227	13,815	0	-18,991	-5,404	-5,404	-5,404
MR									
Change to MR	0	0	119	0	0	0	119	119	119
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	-108	13,815	0	-18,991	-5,285	-5,285	-5,285
July 2015 Estimate									
PMB	3,391,477	391,653	462,592	437,076	358,156	399,204	2,048,681	5,440,157	5,440,157
MR	0	0	8,068	20,639	20,506	30,650	79,863	79,863	79,863
Fee	155,504	14,325	14,501	19,800	8,800	16,573	73,999	229,503	229,503
Total	3,546,981	405,978	485,161	477,515	387,462	446,426	2,202,542	5,749,523	5,749,523

Changes to/Utilization of Management Reserve in July 2015

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
<i>June 2015 MR Totals</i>								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	2,738	1,639	800	6,824	12,001	12,001
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	7,949	20,639	20,506	30,650	79,743	79,743
<i>July 2015 MR Changes/Utilization</i>								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	119	0	0	0	119	119
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	119	0	0	0	119	119
<i>July 2015 MR Totals</i>								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	2,738	1,639	800	6,824	12,001	12,001
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	646	3,450	2,800	7,000	13,896	13,896
RL-0042	0	0	100	50	100	100	350	350
Total	0	0	8,068	20,639	20,506	30,650	79,863	79,863

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods				Projection to FY18	
10/1/2008 -6/30/2015				Planned Subcontracting:	\$2,406,850,560
Reporting Category				Contract-to-date awards:	\$2,248,074,273
				Bal remaining to award:	\$158,776,287
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,155,412,121	51.40%	49.3%	\$1,186,577,326	\$31,165,205
SDB	\$198,017,309	8.81%	8.2%	\$197,361,746	-\$655,563
SWOB	\$231,769,119	10.31%	7.5%	\$180,513,792	-\$51,255,327
HUB	\$43,175,990	1.92%	2.2%	\$52,950,712	\$9,774,722
VOSB	\$142,443,993	6.34%	3.5%	\$84,239,770	-\$58,204,223
SDVO	\$72,401,681	3.22%	1.3%	\$31,289,057	-\$41,112,624
NAB	\$33,706,501	1.50%	N/A		
Large	\$603,509,398	26.85%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,221,494	0.10%	N/A		
GOVT CONT	\$482,866,522	21.48%	N/A		
EDUCATION	\$100,864	0.00%	N/A	Total Contract (mod 403):	\$5,712,705,807
NONPROFIT	\$3,640,084	0.16%	N/A	17% rqmt:	\$971,159,987
FOREIGN	\$323,789	0.01%	N/A	SB actual:	\$1,155,412,121
Total	\$2,248,074,273	100.00%	N/A	Bal to rqmt	-\$184,252,134

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.24 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

July 2015
CHPRC-2015-07, 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	6	227 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	565	20,671 feet
Process Vacuum Piping Dispositioned	576	3,203 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	-	196 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	-	72 m ³
TRU/TRU-M Shipped	13 m ³	1,752 m ³
LLW/MLLW Shipped	28 m ³	6,325 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 98 percent complete.

- Initiated the Implementation Verification Review (IVR) for 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
- Completed internal piping and component removal from WT-1 Glovebox
- Continued work on size reduction and waste load out of WT-1 Glovebox
- Removed a portion of flooring in 242-Z Control Room
- Began draining chemical tanks and lines in 242-Z Mezzanine
- Began removal of E-4 ducting in the 242-Z Mezzanine
- Began removal of tubing from Plutonium Reclamation Facility (PRF) encasements
- Continued 236-Z Plutonium Reclamation Facility (PRF) Canyon waste debris clean-up, packaging, and load-outs
- Continued PRF Gallery Glovebox isolations
- Completed E-4 exhaust duct separations from Filter Box FB-50 in PRF
- Removed 565 feet of asbestos
- Removed 283 feet of E-4 ducting from 234-5Z Duct Level
- Removed Filter Boxes FB-9, FB-13, FB-26 from 234-5Z E-4 Ventilation

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	100% Completed 7/30/15

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	1	6	<ul style="list-style-type: none"> 7/9/15 – Employee tripped on air hose as he was turning around. Transported to hospital for exam resulting in right knee sprain/strain. Employee examined by HPMC and returned to work with restrictions and a follow-up with an orthopedic doctor. (23726)
First Aid Cases	10	58	<ul style="list-style-type: none"> 7/7/2015 - Employee exiting duct level hit her head on a scaffold cross member. Employee was taken to HPMC, examined and diagnosed as neck strain/sprain and returned to work without restriction. (23719) 7/14/2015 - Employee was bitten or stung on neck. Employee was taken to HPMC, examined and diagnosed as having insect bite, was given non-prescription medication and released to return to work without restriction. (23729) 7/18/2015 - Employee was bitten by a bug in the chest. (23739) 7/18/2015 - Employees were removing and lowering E-4 ducting from transport cart, when employee felt a sharp pain in lower back region. The employee was observed using proper lifting techniques by keeping his back straight and bending his knees. (23740) 7/20/2015 - Employee assigned undressing employees from level B

			<p>suits requested job assignment with less physical requirements. Employee then saw a doctor who excused him from work and indicated restrictions. Employee was instructed to report to HPMC for evaluation. (23741)</p> <ul style="list-style-type: none"> • 7/20/2015 - Employee hit back of his left hand on door actuator after stumbling over the end of a rolling ladder. The employee was transported to HPMC, examined, given cold pack, compression bandage and OTC medication and released to return to work without restriction. (23742) • 7/22/2015 - Employee was working on scaffold near FB-9AB Room 262 (duct level) when he smelled and tasted sweet odor inside PAPR hood. He immediately reported the odor and exited room. (23744) • 7/22/2015 - Employee was working in Room 308 removing a section of E-4 ducting. Employee walked beneath large section of E-3 ducting and struck his head on fire suppression sprinkler head. (23748) • 7/27/2015 - D&D worker was performing size reduction using sawzall when worker hit back of their hand. No breach of the suit or PPE occurred. Employee experienced discomfort in left hand and manager escorted D&D worker to 200W first aid. (23752) • 7/27/2015 - Employee was hit in the face while opening a cabinet when the door swung out. (23753)
Near Misses	0	4	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant Plutonium Finishing Plant (PFP)

- Initiated the Implementation Verification Review (IVR) for HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Rev 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Rev 12

11.05 Disposition PFP Facility

242-Z

- Completed internal piping and component removal from WT-1 Glovebox
- Continued work on size reduction and waste load out of WT-1 Glovebox
- Removed a portion of flooring in 242-Z Control Room
- Began draining chemical tanks and lines in 242-Z Mezzanine
- Began removal of E-4 ducting in 242-Z Mezzanine
- Began removal of tubing from PRF encasements

234-5Z

- RMC Line
 - Continued size reducing HC-9B
- RMA Line
 - Moved glovebox HA-7A into room 232 to allow for size reduction of HA-9A
- Duct Level
 - Removed 565 feet of asbestos

- o Removed 283 feet of E-4 ducting from 234-5Z Duct Level
- o Removed Filter Boxes FB-9, FB-13, FB-26 from 234-5Z E4 Ventilation

236-Z Plutonium Reclamation Facility (PRF)

- Canyon
 - o Continued Canyon waste debris clean-up, packaging, and load-outs
- Gallery Gloveboxes
 - o Continued 236-Z PRF Gallery Glovebox isolations.
- Column Gloveboxes/Criticality Drains
 - o Completed E-4 exhaust duct separations from Filter Box FB-50 in PRF
- o

MAJOR ISSUES

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

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

Status – The DSA/TSR Rev 12 was approved by RL on May 4, 2015. The implementation plan has been approved, affected documents are being modified, and training is being performed. Implementation has been delayed to align with completion of the in-situ size reduction efforts being performed on the HA-9A and HC-9B gloveboxes in 234-5Z. Implementation is now scheduled for the end of October, 2015.

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

Corrective Action – Coordinate with Maintenance and Waste Integration to establish mass balance calculations for various hazardous materials, demonstrating how much hazardous material may be blended with building rubble and still meet Environmental Restoration Disposal Facility (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

- Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- Increased Confidence
- No Change
- Decreased Confidence

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-011/WBS-011																						
Explanation of major changes to the project monthly spotlight chart: No major changes to the risk profile for RL-011 in the month of July.																						
Realized Risks (Risks that are currently impacting project cost/schedule)																						
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	The regulatory interpretation of "may contain significantly less than 1 kg" of material within the PFP complex will lead to significantly more MAR removal than planned and could require unauthorized activities (e.g., slab removal), necessitating delays to prepare and approve environmental documents to supplement the existing CERCLA removal action, resulting in schedule delays, and cost impacts. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$4M, 80 days	●		<p>Risk Event: Presented CHPRC "white paper" to RL, providing our legal and contractual position that there is no requirement that the amount of residual contamination contained within the slabs and below grade surfaces be <1 kg. RL continues to maintain a position that they believe there is no issues with the <1kg criteria.</p> <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>Manage in real time between PFP, Environmental, Contracts, and Legal</td> <td rowspan="3" style="text-align: center;">03/02/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop a white paper for DOE-RL (Environmental has the lead) for concurrence</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Submit formal REA</td> <td style="text-align: center;">08/27/15</td> <td style="text-align: center;">25</td> </tr> <tr> <td>Brief DOE-RL Management</td> <td></td> <td style="text-align: center;">8/31/15</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> <p>Recovery Action Assessment: Initiated development of a ROM estimate to physically remove the slabs, at RL request. Received formal letter from RL requesting submittal of a formal proposal to perform slab removal activities. Development of an informal estimate was developed and was presented to RL on June 04, 2015 for their consideration. RL facilitated meetings with Ecology and EPA and no longer believes that the amount of residual material remaining in the slab could be considered a cleanup criteria. Final briefing to RL Manager to close this issue is scheduled for 08/31/2015. It is expected that RL will make a decision on the path forward after the briefing. No alternative course of actions needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100	Develop a white paper for DOE-RL (Environmental has the lead) for concurrence	Complete	100	Submit formal REA	08/27/15	25	Brief DOE-RL Management		8/31/15	50
Risk recovery action(s)	Risk Date	FC Date	%																			
Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100																			
Develop a white paper for DOE-RL (Environmental has the lead) for concurrence		Complete	100																			
Submit formal REA		08/27/15	25																			
Brief DOE-RL Management		8/31/15	50																			
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																						
PFP-092: Increased Characterization	Source term uncertainties increase the need for characterization above what is planned for cost and schedule, resulting in cost impacts and schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$1.5M, 45 days	●		<p>Risk Trigger: Will continue throughout project lifecycle until Demolition activities commence.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <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 style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop process for rapid integration of actions resulting from characterization results into planned field work activities.</td> <td style="text-align: center;">09/15/15</td> <td style="text-align: center;">30</td> </tr> </tbody> </table> <p>Mitigation Assessment: In the month of July mitigation action slipped one month. No impacts to the project schedule or cost as a result of the date slip. 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).	Complete	100	Develop process for rapid integration of actions resulting from characterization results into planned field work activities.	09/15/15	30						
Mitigation action(s)	FC Date	%																				
Identify characterization coordinator to perform field characterization/sampling.	Complete	100																				
Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	Complete	100																				
Develop process for rapid integration of actions resulting from characterization results into planned field work activities.	09/15/15	30																				
FY 2015 Risk Triggers (Risk could be realized in FY 2015)																						

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments			
		Month	Trend				
RL-011/WBS-011							
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Air Dispersion identified additional MAR reduction higher than planned or DOE directs constrains from Rev.12 SER, resulting in additional decontamination/fixatives and equipment removal prior to initiating open-air demolition resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 120 days *Cost increase will result in cost per day impacts from crews, and hotel load.			Risk Trigger Metric: 07/06/2015			
				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.		09/15/15	50
				Develop and implement plans to document criterion are met.		09/22/15	0
				Deploy teams from non-critical path work scope to reduce schedule impacts.		09/30/15	0
Mitigation Assessment: Mitigation actions slipped in the month of July with no impacts to the project schedule or cost. In the month of July the project continued to review the initial draft results from the revised Air Dispersion Model, and continued to develop sampling plans to refine hold up quantity, form, and distribution. No alternative course of actions needed at this time.							
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 changes in the month of July. 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-0150)		01/4/16	0
Mitigation Assessment: No changes in the month of July. 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 July.							

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	11.3	10.3	9.5	(1.0)	-9.1%	0.7	7.2%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Variance: (-\$1.0M/-9.1%)

The current month negative schedule variance is associated with the lack of resources required to complete balance of 234-5Z work. While resources have been assigned to complete higher priority, critical path work (i.e. RMA/RMC glovebox removal, 242-Z demo prep, and 236-Z Canyon cleanup), the balance of 234-5Z scope is not staffed or performing as planned. The duct removal team also experienced delays when attempting to remove E-4 ducting from the system. Filter Box (FB)-8 and FB-9AB ducting was assumed to take four days and, because of difficulties and complexities, the evolution took 15 days to complete. The 234-5Z Backside Rooms team had been assigned to higher priority work scope associated with unplanned door modifications which support the in-situ size reduction efforts on the HC-9B glovebox located in 234-5Z, which also contributed to the variance. This is partially offset by completing behind schedule work scope on the insitu size reduction of glovebox HC-9B.

CM Cost Variance: (+\$0.7M/+7.2%)

The current month favorable cost variance is primarily the result of less required system engineering support for maintenance of vital safety systems and reduction of maintenance activities required to be performed on these systems as the project nears the mission goal of slab on grade. This allows the craft resources (i.e. electricians, millwrights, pipefitters, etc.) to work on deactivation and decommissioning (D&D) cold and dark activities. Also contributing to this variance were recognized efficiencies and completion of the historical BCWS associated with the 4th and 5th floor PRF column glovebox separations.

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	836.9	803.9	823.8	(33.1)	-4.0%	(20.0)	-2.5%	953.0	952.3	0.7

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Variance (-\$33.1M/-4.0%)

The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-\$20.0M/-2.5%)

The Cost Variance is within reporting thresholds.

Variance at Completion (\$0.7M/0.1%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.1	113.1	15.0

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 of \$128.1 million remained constant for July. The Spend Forecast decreased from the prior month to \$113.1 million.

Critical Path Schedule

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

Baseline Change Requests

BCRA-PRC-15-047R0, *Schedule Health, Remove Redundant Network Logic*

BCRA-PRC-15-048R0, *HPIC Updates July 2015*

BCR-PRC-15-049R0, *Undistributed Budget Adjustments July 2015*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-Z & 291-Z Facilities	09/30/15		6/29/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable. NOTE: This TPA Milestone has changed to “Complete significant progress on removal of gloveboxes and disposal of 236-Z Pencil Tanks”. This will be updated with a BCR in August reporting.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		10/17/16	The PFP Project continues to make progress on the behind schedule critical path work scope being performed. However, this Tri-Party Agreement completion is at risk of meeting the September 30, 2016 commitment date.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition, supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex construction activities and continued debris dose rating and relocation activities in 105KW Basin.
- The ECRTS technical team continued with executing the activities that re-establish the design for the safety-related Auxiliary Ventilation System and progress was made on the design and supporting calculations. The system design drawings, calculations, and specifications are now approved. Staff is focusing on updating remaining calculations and other general process documentation to ensure consistency with the draft revision of the Preliminary Design Safety Analysis.
- The ECRTS Project continued to process additional procurement packages and has eighteen packages in the formal acquisition process. Work on the four performance measures in the ECRTS procurements scope are on schedule to complete in the fiscal year.
- Continued testing activities at the Maintenance and Storage Facility (MASF) and preparations for cold commissioning. Continued Operator training and familiarization with ECRTS components at MASF along with fabrication on support tools and equipment.
- Annex Construction continued to make progress with Mechanical and Electrical installations, conduit installation, wire installation, labeling, tough up painting and initiated installation of lightning protection system and bollards around the facility.

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	75%
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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	1	23	<ul style="list-style-type: none"> • 7/6/2015 – Employee completed training and then notified instructor that a spider bite appeared on leg. Employee went to HMPC for further examination. (23718)
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement issued contract for procurement set #10; Safety Significant (SS) Truck Scale & Panel and procurement set #14; SS Control System Panels. Buy Back Set #1; General Service (GS) Control System Panels and Junction Boxes - completed factory acceptance testing of PNL-201. Buy Back Set #2; SS Long-Lead Components – The project technical team completed the final activities required to complete dedication of the seismic shutdown switches. Procurement Set #1; GS XAGO Retrieval Tool – completed fabrication of the two remaining retrieval tool assemblies. Procurement Set #2; GS Retrieval and Transfer System Components - Fabrication completed on the all three flocculent addition skids. Procurement Set #6; Ventilation System Hardware – all fabrication and testing is complete and technical staff is preparing the final data package. Procurement Set #8; Sludge Transport and Storage Container (STSC) Vessels – Final testing of the STSC Floats was completed.
- Annex Construction completed installation of the hydronic piping, hydrostatic test of the fire protection piping, installation of the low purge air piping, and concrete placement for exterior hose-in-hose chase.
- K Basin and Annex Equipment Design completed engineering package #6 for the comprehensive construction acceptance test specification for the in-basin and annex process equipment, EP #13 and the FMP ECR-15-000368 for installing the booster pump skids and the rupture disk skids, the Facility Modification Package (FMP) and engineering package 15 for installing the XAGO retrieval tool, deployment beam and instrument spool piece, incorporating constructability comments on engineering package #18 for the ingress/egress piping installation and issued FMP, engineering package #16 for the dog house installation and shield plates, and the ECR to address comments on the replacement door between the basin and Room 3.
- T Plant design completed and approved the Leak Detection FMP.
- MASF - The ECRTS STSC/Cask venting completed bench check of test panel 602 and cask leak testing instrumentation.
- 100K Operations completed 105KW Roof Repairs, installation of mockup for sludge container system lids, building sludge container cameras and lights, and replacement of Integrated Water Treatment System (IWTS) Booster Pump 4 Variable Frequency Drive (VFD).

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change



Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Increased Confidence



No Change



Decreased Confidence

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:				
In the month of July RL-012 closed out unassigned risk STP-011C.				
Realized Risks (Risks that are currently impacting project cost/schedule)				

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
RL-012/WBS-012																		
STP-111-A: Contractor/ Subcontractor Performance - Annex Construction	<p>The General Contractor and their supporting subcontractors have historically performed poorly and will be challenged on this project by compliance with project and contract flow down requirements (e.g., quality, nuclear standards, site safety requirements, subcontract management to ensure contract requirements are met, NRTL compliance, suspect counterfeit, Buy-American contract clause, Project Controls requirements, development of Construction Acceptance Testing [CAT], timely processing of submittals compliance with all the subcontract flow down requirements) as well as deployment and maintenance of key staff that are essential to safe, cost effective and on-time project delivery. This risk is further compounded by sequestration and decrement funding.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$8.3 million, 112 days</p>			<p>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 affected the Annex Construction completion date. Material procurement delays have impacted the fire piping installation, ductwork installation, and impacted electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room. Based on review of the final subcontractor hydraulic calculations it was determined that approximately 60 feet of pipe is undersized and requires rework. The subcontractor has declined to execute the rework, indicating they are not responsible. As a result completion of this system will be delayed further.</p> <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>Request Contractor Status Report</td> <td rowspan="3" style="text-align: center;">05/08/12</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)</td> <td style="text-align: center;">9/30/15</td> <td style="text-align: center;">90</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> <p>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). All systems and components are substantially complete and another contractor will accomplish the redesign and rework of the Fire Piping. Schedule details are forthcoming from the subcontractor and will be implemented into FES.</p> <p>CHPRC continued to work contract close out with cost price staff and third party auditors. Third party auditor contract has been awarded and is being engaged in the closeout preparation process. Subcontract status request was received. "To Go" change was not issued to FE&C at the end of May as planned due to less than adequate proposal received from FE&C. FE&C was directed to revisit their proposal to include \$1.5 million of missing costs and resubmit their proposal. A new proposal from FE&C is expected on July 30, 2015.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Request Contractor Status Report	05/08/12	Complete	100	Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)	9/30/15	90	Develop Correction Action Plans	On-Going	N/A
Risk recovery action(s)	Risk Date	FC Date	%															
Request Contractor Status Report	05/08/12	Complete	100															
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Develop Correction Action Plans		On-Going	N/A															

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-012/WBS-012																					
STP-120-A: Design & Engineering During Construction (Title III) - Annex Construction	<p>Architect Engineering contractor errors and omissions in design details, field interferences, and as-found construction conditions identified during construction require clarification and rework of design media.</p> <p>Additionally, changes in engineering processes, engineering codes or standards (e.g., code of record), other requirements (e.g., PDSA, FHA), changes in other site processes or procedures (e.g., H&R, OS&IH, L&T) also impact construction execution.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$1.2 M, 64 days</p>	●	↔	<p>Risk Event: Design change affected field activities since September 2012 with corrective action plans completed in February 2013. In addition, the ability to address improper, imprecise, or missing design details was negatively impacted by losing resources to WRPS.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement all feasible design and field engineering corrective actions</td> <td rowspan="3">05/08/12</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete mechanical engineer requisition</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Determine DCNs phase implementation</td> <td>08/30/15</td> <td>90</td> </tr> </tbody> </table> <p>Recovery Action Assessment: DCN phase implementation slid another month due to outstanding DCNs (wall penetrations, and concrete/site civil changes), forecasted finish date has been updated to reflect outstanding DCNs. 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. Therefore backfilling with corporate resource starting at the end of August. Their future assignment will be Phase II Annex construction and ECRTS Annex and as needed ECRTS Basin support. Also just lost our EE Field Engineer and backfill is being evaluated. Field staff being transitioned to Phase II Annex construction and ECRTS Equipment Installation Constructability Reviews. The total two-month slip to the recovery action results in no alternative course of actions at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100	Complete mechanical engineer requisition	Complete	100	Determine DCNs phase implementation	08/30/15	90			
Risk recovery action(s)	Risk Date	FC Date	%																		
Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100																		
Complete mechanical engineer requisition		Complete	100																		
Determine DCNs phase implementation		08/30/15	90																		
STP-119-A: Contract Close-Out - Annex Construction	<p>Contract closeout administrative cost, scope, and schedule are greater than anticipated extending the project closeout process beyond the planed work scope period requiring additional support and resources to assist in the contract closeout process as a result of late change requests, post contract REA's and change requests resulting, arbitration, post contract claims or legal proceedings.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (> 90%) Worst Case Impacts: \$4.7M, 0 days</p>	●	↔	<p>Risk Event: Change orders to limit eventual claims at the end of the job.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>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>Complete</td> <td>100</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incurred Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td>08/30/15</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 auditor's reviews are in process with the general contractor. "To Go" change completed in July. CHPRC has develop a forecast and is being utilized as basis for subcontractor payment evaluation until Audit is completed. The addition one month slip, for a total of three-month slip to the recovery action results in no alternative course of actions at this time.</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"	Complete	100	Document changes into Phase I or Phase II completion buckets	Complete	100	Incurred Costs have been submitted by Contractor – CHPRC is reviewing.	08/30/15	75
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Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																			
		Month	Trend																				
RL-012/WBS-012																							
STP-067A: Safety Classification of SSCs	<p>RL requires CHPRC to upgrade the safety classification of systems, structures, and/or components to a safety classification more conservative than the safety analysis dictates resulting in cost impacts, and schedule delays.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Medium (26% to 74%)</p> <p>Worst Case Impacts: \$750K, 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 RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="2">02/05/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Meet with RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Execute the agreed upon work scope to update the ECRTS Design and PDSA.</td> <td></td> <td>09/30/15</td> <td>30</td> </tr> <tr> <td>Resubmit the updated PDSA to DOE RL for approval.</td> <td></td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table> <p>Recovery Action Assessment: No change in the month of July. CHPRC and 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, 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 RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRTS Design and PDSA.		09/30/15	30	Resubmit the updated PDSA to DOE RL for approval.		09/30/15	0
Risk recovery action(s)	Risk Date	FC Date	%																				
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Resubmit the updated PDSA to DOE RL for approval.		09/30/15	0																				
STP-123-T: Design Maturity - T-Plant	<p>The final Nitrogen System design is pending FHA update. The construction specification is currently in development. In addition, changes resulting from the PDSA impact the design. There is additional risk with bidder interpretation of the facility ECRs. They do not clearly provide the entire scope of the contractor's work and clarifying bid document details are required.</p> <p>Risk Handling Strategy: Accept</p> <p>Probability: Very Likely (>90%)</p> <p>Worst Case Impacts: \$200K, 96 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. Schedule impacts eminent due to spec and ECR quality. Actions for re-lidding design near term actions.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Incorporate PTS Comments on Construction Spec.</td> <td rowspan="2">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></td> <td>08/30/15</td> <td>90</td> </tr> </tbody> </table> <p>Recovery Action Assessment: In the month of July, a one-month slide to the recovery action was realized with no foreseeable impacts to project cost/schedule. A path forward based on the outcome of the facilitated sessions will need to be addressed. No additional foreseeable impacts then those noted above in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions are needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	Complete	100	Complete PTS Construction Review w/Drawings and Specifications	Complete	100	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		08/30/15	90				
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Complete PTS Construction Review w/Drawings and Specifications		Complete	100																				
Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		08/30/15	90																				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																							
FY2018 Risk Triggers (Risk could be realized in FY2018)																							

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
RL-012/WBS-012																						
STP-018: STP Operational Upset or Spill	An operational upset or spill results in a work shutdown at K Basins, resulting in schedule delays. Risk Handling Strategy: Control Probability: Medium (26% to 74%) Worst Case Impacts: \$0, 66 days *Cost increase will result in hotel load cost per day.	●	↔	<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>05/25/17</td> <td>5</td> </tr> <tr> <td>Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.</td> <td>4/12/18</td> <td>0</td> </tr> <tr> <td>Utilize overtime as needed, or if required, to respond to events</td> <td>As needed</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: Forecasted mitigation dates are consistent with overall STP critical path schedule. Changes to the mitigation actions do not result in any impacts to the overall schedule or cost. 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.	05/25/17	5	Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	4/12/18	0	Utilize overtime as needed, or if required, to respond to events	As needed	N/A						
Mitigation action(s)	FC Date	%																				
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Utilize overtime as needed, or if required, to respond to events	As needed	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: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$2.5M, 60 days	●	↔	<p>Risk Trigger: Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Review lessons learned from NLOP sludge retrieval.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.</td> <td>09/30/16</td> <td>50</td> </tr> <tr> <td>Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.</td> <td>8/15/18</td> <td>20</td> </tr> </tbody> </table> <p>Mitigation Assessment: No changes in the month of July. 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
Mitigation action(s)	FC Date	%																				
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Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20																				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)																						
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																						
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Problems with aging building systems/ components (e.g. ventilation systems, water distribution system, CAM's, instrument air system, fire alarm system, and electrical system, etc) result in inoperability or requires unscheduled maintenance/ outages, impacting planned operations or on-going surveillance and maintenance activities. Risk Handling Strategy: Control Probability: Very Likely (>90%) Worst Case Impacts: \$1M, 88 days	●	↔	<p>Risk Trigger: Will continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p>Mitigation Assessment: No changes in the month of July. Operations continues to maintain the facilities in an operational status with no foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A	Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A									
Mitigation action(s)	FC Date	%																				
Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A																				
Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A																				
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.																						

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-012/WBS-012				
STP-011C: Out of Scope T-Plant Upgrades to Store Sludge	In the month of July STP-011C was closed in the CHPRC risk database as RL has this risk captured within the DOE Centralized Risk Register. This risk will no longer be reported, but will continue to be managed with CHRPC and RL.			

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	8.5	6.4	8.1	(2.0)	-24.0%	(1.6)	-25.5%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$2.0M/-24.0%)

The negative SV is due procurement of materials for STSC fabrication and procurement of STSC instrumentation that was planned to commence this period being delayed a few months while issues with the STSC contractor are resolved and delays from other fab contracts that have impacted the technical support on this scope of work. Also, delays in construction of Annex Equipment Installation associated with claims and changes as well as In Basin construction delays while resolving constructability review comments on the Re-Lidding package.

CM Cost Performance (-\$1.6M/-25.5%)

The negative CV is due to costs to implement the Capital Asset Project for STP, this work scope is not part of the current baseline and work is being performed per direction of RL. Procurement, Annex Construction Mechanical and Electrical work that has completed was under accrued in previous periods and was corrected this period, and reversing of cost accruals and cost transfers for ECRTS procurement correcting issues with the WBS changes implementing the CAP Project.

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	500.6	501.0	512.6	0.3	0.1%	(11.6)	-2.3%	696.2	761.1	(64.9)

Numbers are rounded to the nearest \$0.1 million

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

Variance is within reporting thresholds.

CTD Cost Performance (-\$11.6M/-2.3%)

Variance is within reporting thresholds.

Variance at Completion (-\$64.9M/-9.3%)

The EAC has been updated to include the values being included in the CAP baseline estimate. This estimate includes the latest design information, incorporates latest experience on construction work and includes risk mitigation activities for remaining work.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	86.1	78.5	7.6

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

For PBS RL-0012, the Projected Funding of \$86.4 million was reduce by \$325K to fund the Office of Project Management Oversight and Assessments to prepare an Independent Cost Estimate (ICE) to support approval the Project 15-D-401 CD2/3 approval.

The Spending Forecast decreased by \$2.5 million due to a revised forecast on equipment fabrications.

Critical Path Schedule

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

Baseline Change Requests

None currently identified.

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin Sludge Removal from 105-KW Fuel Storage Basin.	09/30/2018		09/01/2018	Tri-Party Agreement Milestone M-016-175 was renegotiated on May 7, 2015. The due date has been extended to 9/30/2018. Note, the forecast date of 09/01/18 does not include approval of CD-4, which is not currently funded in the CHPRC contract.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- o The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies, but continues to be impacted by emerging work and realized risks. The safety basis modifications for the Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) were submitted to RL for review. This satisfies the RL interim KPG to submit the safety basis for approval by July 23, 2015. The W-130 project also informally transmitted final draft of Air Permit Phase 1 permit request for continued use of existing stack permit conditions to WDOH for review, comment, and negotiation. In addition, the project shipped 73.7 m3 of Suspect TRU waste to PFNW for repackaging.

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	4	27	<ul style="list-style-type: none"> • 7/14/15 – Employee received a possible chemical burn/eye irritation. Employee was escorted to HPMC, where he was evaluated and returned to work without restrictions. (23723) • 7/22/15 – Employee sprained an ankle walking down hallway at the Waste Receiving and Processing Facility (WRAP) and taken to HPMC for evaluation. Employee was to work without restrictions, but recommended a job assignment that required less walking and climbing stairs. (23745) • 7/30/15 – Employee stepped out of s vehicle onto gravel and twisted knee. Employee was taken to HPMC, where he was evaluated and returned to work without restrictions. (23759) • 7/30/15 – Employee missed a step and fell against railing, injuring shoulder. Employee was evaluated and returned to work without restrictions. (23760)
Near Misses	1	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- o The Annual Performance Measurement Baseline (PMB) update deliverable was successfully delivered to RL.

13.02 Capsule Storage & Disposition

- Performed/Completed:
 - o Two year calibration of KS-15-1 temperature controllers
 - o Annual K3 filter differential pressure instruments calibration
 - o Annual building elevator inspections
 - o 365 day functional testing on air compressor #5 auto start switch
 - o 365 day calibration of pool cell to atmosphere I/P converter
 - o 60 day calibration of 225BG pH sensor/transmitter
 - o 30 Day Pool Cell Weight Factor Indicators/Transmitters (WFI/T) calibrations
 - o 30 day pool cell beta monitor loop verification
 - o 30 day pool cell Area Radiation Monitors (ARM's) functional testing
 - o Repair of the K3-7-1 exhaust fan vane axial damper linkage
 - o 30 Day calibration of chemical feeds 1, 2 and 3 to Wet Surface Fluid Coolers
 - o Monthly Technical Safety Requirements (TSR) and Environmental PM and surveillance requirements
 - o Circuit investigations for hot cell fire panel deactivation
 - o Hanford Fire Department testing/inspections of 225B heat/smoke detectors
 - o Completed 14 PM work packages
- **WESF Stabilization and Ventilation Project (W-130):**
 - o Issued Request for Proposals for construction (ventilation, core drilling and stabilization) and conducted pre-bid conference. Contractor proposals are due August 17, 2015
 - o Submitted safety basis modifications to RL for review. This satisfies the RL interim KPG to submit the safety basis for approval by July 23, 2015
 - o Continuing to work with RL and Ecology to resolve permit modification application issues
 - o Informally transmitted final draft of Air Permit Phase 1 permit request for continued use of existing stack permit conditions to WDOH for review, comment, and negotiation
 - o Continued planning for failed capsule response plan activities in G cell, F cell manipulator removal, and G cell manipulator reactivation
 - o Design and prototype testing of K3N heater is in progress
 - o Continued developing of the Change Proposal in response to Change Order 269 package for construction activities. The Change Order details includes a bottoms-up estimate for CHPRC support during construction

13.03 Canister Storage Building (CSB)

- Performed/Completed:
 - o Annual MCO Handling Machine (MHM) load cell calibration
 - o Annual beta Continuous Air Monitor (CAM) calibration
 - o One- and four-year 212H main fire alarm control panel inspection/testing/maintenance
 - o Hanford Fire Department (HFD) testing/inspections of 212H fire water risers
 - o 365 Day inspection/leak check of the 212H exhaust stack sample line
 - o MCO wire rope inspection
 - o Quarterly Operations area exhaust fan inspection
 - o Third quarter FY2015 All Hands Meeting
 - o Monthly personal safety fall protection device/west vehicle barrier inspection/PM
 - o Monthly testing of Gaseous Effluent Monitoring system (GEMS) -100, Continuous Air Monitor (CAM), 2701 HV propane generator PM, health and safety inspections

- o Nine Preventive Maintenance (PM) work packages

13.06 TRU Repackaging

- o Shipped 73.7 m³ of Suspect TRU waste to PermaFix Northwest (PFNW) for repackaging
 - TC132 July 16, 2015 (64.59 m³)
 - TC130 July 23, 2015 (9.1 m³)
- o Continued processing of Fiberglass Reinforced Package (FRP) at PFNW

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
 - o Successfully completed overhead roll-up door PM's for:
 - 2404-WA
 - 2404-WB east door
 - 2404-WC east door
 - o Surveillances/Preventive Maintenance (PM)
 - Eight Technical Safety Requirement (TSR) surveillances
 - 14 PM packages
 - 91 Radiological (Rad) surveillances
 - 32 Operational surveillances

13.08 T Plant

- Performed/Completed:
 - o Shipment QW064000 (propane bottle drum) shipped to ERDF
 - o Replaced 291-T Pre-Filters 2 and 4
- Surveillances/PMs
 - o Eight TSR surveillances
 - o 301 Rad surveillances
 - o 23 PM packages
 - o 104 Operational surveillances

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

- Performed/Completed:
 - o Troubleshooting 2403-WA induced voltage by performing a Megger® test at 250V at the electrical disconnect
 - o Annual CWC fire surveillance assessment (TSR)
 - o 2402-W east roll-up door PM and return to service
 - o Conducted Nondestructive Assay (NDA) of two waste boxes in the CWC Outside Storage Area A
- Surveillances/PMs:
 - o Three TSR surveillance
 - o 28 PM packages
 - o 226 Rad surveillances
 - o 184 Operational surveillances
 - o Shipments Received:
 - Two Standard Waste Boxes (SWB's) from PFNW to CWC

13.12 Integrated Disposal Facility

- Completed monthly inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches (MWT)

- Completed:
 - o 40 Rad surveillances
 - o 136 Operational surveillances
- Shipments Received:
 - o Nine boxes from PFNW to MWT

MAJOR ISSUES

Issue:

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

Corrective Action:

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

Status:

Authorization to begin work has been rescinded while MSA determines components that will affect the overall system design. This is the last month for reporting this issue.

Issue:

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

Corrective Action:

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

Status:

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

Issue:

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

Corrective Action:

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

Status:

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

Issue:

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

Corrective Action:

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

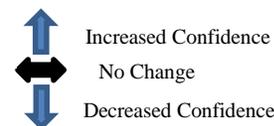
Status:

RL provided direction to proceed with the PNNL statistical analysis of the CSB stack flow data. A contract was awarded to PNNL on 7/29/15. A kickoff meeting is scheduled with PNNL on 8/5/15, with the first deliverable due 9/23/15. WDOH was briefed on the status of the modeling effort on 7/29/15.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
RL-013/WBS-013																					
Explanation of major changes to the project monthly stoplight chart: No major impacts to the risk profile in the month of July.																					
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;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform daily/weekly waste container surveillances to identify container abnormalities.</td> <td rowspan="4" style="text-align: center;">10/01/11</td> <td 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 May to identify container abnormalities. In addition, a NTE of \$400K will be authorized to overpack an additional 9 m ³ box in FY2015. No foreseeable impacts in the near future. However; a watch-list of suspect containers is being managed. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.	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																		
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																					
Lifecycle Risk Triggers (Risk could be realized at any point of the project)																					

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-013/WBS-013													
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. Risk Handling Strategy: Accept Probability: Low (10% to 25%) Worst Case Impacts: \$10M, 0 day	●	↔	Risk Trigger Metric: Will continue throughout contract (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A	Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A
				Mitigation action(s)	FC Date	%							
Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A											
Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A											
Mitigation Assessment: No changes in the month of July. Project continues to monitor our offsite radioactive waste processing/treatment capabilities. No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
Lifecycle Risk Triggers (Risk could be realized at any point of the project)													
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. Risk Handling Strategy: Exploit Probability: Likely (75% to 90%) Worst Case Impacts: \$48M, 0 day	●	↔	Risk Trigger: Will continue throughout project lifecycle (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A			
				Opportunity action(s)	FC Date	%							
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A											
Opportunity Assessment: No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time. However, emerging issues continue to place pressure on ability to achieve planned efficiencies.													
Unassigned Risks (Pending ownership of identified risks/opportunities)													
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.													
WSD-TR-01: DOE Provided Drivers Not Available	Scheduling issues prevent the government provided Drivers from being assigned/available to make off-site waste shipments. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> Requirements changes dictated by RL, 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. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> 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. <u>CHPRC Comment:</u> Planning based upon projected contaminant levels based upon historic records; pre-existing condition.												

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

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-013/WBS-013				
WSD-128:DOE Rescinds Previously Authorized Safety Analysis	DOE Rescinds previously agreed upon approvals and waivers associated with open face trench processing for TRU Retrieval. Consequences would be time delays to revise safety basis documents and potentially, an additional training and readiness requirements.			CHPRC Comment: 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.			CHPRC Comment: This a government furnished service and is outside of CHPRC control.
WSD-130: Retrieval of Pockets of TRU Waste Results in Significant Volumes of Low-Level Waste	The pockets of TRU waste that was not segregated from MLLW when it was placed in the burial grounds will require removal of the intermingled MLLW in order to demonstrate that the targeted TRU Waste Containers has been retrieved. The baseline assumes retrieval of 69 containers from 8 trenches. This retrieval will result in an additional 6800 containers that would need to be handled. A query of the SWITS database indicates that there are about 6800 containers (approximately 1400 m ³) of MLLW that would need to be retrieved. The risk is these 6800 additional containers will need to be processed as newly-generated waste and treated to meet LDR standards prior to re-disposal. This processing is not in the baseline.			CHPRC Comment: 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.			CHPRC Comment: 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.			CHPRC Comment: Permit requirements are ultimately the responsibility of RL and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.
RCRA-036: Risk Budget Tool Implementation	The Final Status RCRA Permit contains permit condition that impose the Risk Budget Tool upon 3 facilities: the Low-Level Burial Grounds (LLBG) Trenches 31/34, LLBG Trench 94, and the Integrated Disposal Facility (IDF). This expands the current RCRA permit requirements of only applying the Risk Budget Tool to IDF. The Risk Budget Tool, is a concept that does not exist in regulation, and was coined when IDF was incorporated into the current permit to be a companion to the DOE Order 435.1 Performance Assessment process that would predict whether waste disposed in a landfill would be modeled to impact groundwater.			CHPRC Comment: Permit requirements are ultimately the responsibility of RL 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	9.4	9.0	7.8	(0.4)	-3.9%	1.2	13.6%

Numbers are rounded to the nearest \$0.1 million

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

The current month unfavorable schedule variance within reporting threshold.

CM Cost Performance (+\$1.2M/+13.6%)

The current period favorable cost variance is primarily due to the transfer of ETF spare parts to WRPS resulting in a reduction in cost coupled with the continued implementation of planned efficiencies, partially offset by contract and support costs associated with the internal inspection and repairs of CSB Tank TK-500-001.

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	963.2	962.3	911.0	(0.9)	-0.1%	51.3	5.3%	1,363.2	1,287.7	75.4

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (-\$0.9M/-0.1%)

The schedule variance is within threshold.

CTD Cost Performance (+\$51.3M/+5.3%)

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

Variance at Completion (+\$75.4M/+5.5%)

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	91.4	90.5	(0.1)

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 projected funding for PBS RL-0013 changed from \$93.4 million to \$91.4 million due to a deobligation of funds by RL to address development of the IDF Performance Assessment by another Hanford Contractor. The FY2015 Spending Forecast was reduced from \$92.8 million to \$90.5 million due to deferral of the ERDF Transfer line construction pending EPA approval of the Explanation of Significant Differences and delays in initiating Authorized Buy Back work scope (deferring to FY2016).

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change RequestsBCR-013-15-013R0, *Move WESF Stack Monitoring to Planning Package*BCRA-PRC-15-047R0, *Schedule Health, Remove Redundant Network Logic*BCRA-PRC-15-048R0, *HPIC Updates July 2015*BCR-PRC-15-049R0, *Undistributed Budget Adjustments July 2015***MILESTONE STATUS**

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

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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

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

July 2015
CHPRC-2015-07, 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 July 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	33.0	307.1	6.5	77.2	-	-	-	-	-	-
HX P&T	30.6	254.3	2.3	19.3	-	-	-	-	-	-
KR-4 P&T	15.1	142.7	0.3	3.7	-	-	-	-	-	-
KW P&T	14.7	141.8	1.2	21.6	-	-	-	-	-	-
KX P&T	36.5	334.0	2.4	25.0	-	-	-	-	-	-
200 West P&T	91.6	827.7	8.2	68.2	249	2,438	6,867	60,521	.13x10 ¹²	1.2x10 ¹²
Combined	221.5	2,007.6	20.9	214.9	249	2,438	6,867	60,521	.13x10¹²	1.2x10¹²

Well Drilling by Area	FY2015 Planned	July	FY2015 Cumulative
100-KR-4	5	-	5
100-HR-3	12	1	12
NRDWL/SWL	4	-	-
200-UP-1	5	-	2
200-ZP-1	7	-	3
M-24	19	1	12
300-FF-5	34	30	33
DVZ URG TT	6	-	-
Total Wells	92	32	67

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%	90%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	80%	
15-SGWR-EMS-OB2 More effective promotion of EMS	T1 – Promote and increase S&GRP project personnel EMS awareness via various means throughout FY2015.	Present at least five EMS topics to S&GRP personnel on a minimum of five different occasions.	9/30/15	80%	90%
		Provide a discussion of at least five different EMS topics to be communicated to S&GRP personnel through the “S&GRP Daily Communications.”	9/30/15	100%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/S&GRP meetings).	Discuss EMS topics with drilling subcontractor personnel, on a minimum of five different occasions with different topics at each session.	9/30/15	40%	40%
14-SGWR-EMS-OB3 Increased awareness of Universal Waste requirements	T1 – Promote and increase S&GRP project personnel awareness of Universal Waste requirements via direct communication with S&GRP personnel throughout FY2015.	On a quarterly basis provide focused universal waste training sessions.	9/30/15	50%	75%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	100%	

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	6	36*	<p>7/14/2015 – Employee was stung by a bee on left index finger. (23728) PTS</p> <p>7/14/2015 – Employee was bitten/stung on neck by unknown insect. (23733) PTS</p> <p>7/15/2015 – Employee was bitten/stung on thigh by unknown insect. (23734)</p> <p>7/16/2015 – Employee had an unknown liquid splash in their eye when they were checking a forklift leak. The employee was escorted to HPMC, evaluated and returned to work without restriction. (23737)</p> <p>7/20/2015 – Employee was bitten/stung on upper arm by unknown insect. (23757)</p> <p>7/23/2015 – Employee was bitten/stung on stomach by unknown insect. (23751) PTS</p> <p>*8 FA cases, PTS in support of RL-0030.</p>
Near-Misses	0	2	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations RL 30 Integration & Assessments

Environmental Data Integration

- Virtual Library Version 6.3.0 was implemented on July 16, 2015. It includes new charting and reporting features.

General

- Submitted the Rev 0 Hanford Site Groundwater Monitoring Report for 2014 to RL.

River Corridor

100-HR-3 Operable Unit

- Completed installation of the final well as part of the FY2015 P&T optimization plan.

100-FR-3 Operable Unit

- Incorporated RL text on the cultural/ecological assessment standards and requirements into the Draft Rev 0 RDR/RAWP, which completes resolution of RL and EPA comments. The document is undergoing final CHPRC review to ensure accuracy and completeness.

100-BC-5 Operable Unit

- Incorporated RL comments and delivered the Draft Rev 2 SAP to RL, which was subsequently delivered to EPA for review. This SAP updates groundwater monitoring requirements that occur between completion of the remedial investigation and the ROD implementation.

300-FF-5 Operable Unit

- Received and resolved comments from RL and EPA on the Draft A Remedy Implementation SAP.
- Completed well construction of the planned wells for implementation of the uranium sequestration remedy (11 aquifer wells, ten Periodically Rewetted Zone wells, and nine injection wells).

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

- Conducted CHPRC review and RL briefing on the RCRA/CERCLA integration remedy evaluation and selection pathways flowchart.

200-SW-2 Operable Unit

- Completed continuity review of the Draft Rev 0 RFI/CMS/RI/FS work plan.

200-BP-5 Operable Unit

- Completed approximately 31,000 ft. (48, 000 ft. total) of the 200-BP-5 dual-walled HDPE pipeline welding.

200-UP-1 Operable Unit

- Completed EPA review of the Draft A 200-UP-1 Performance Monitoring Plan and received no comments.

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

- Resolved and incorporated RL comments on the Decisional Draft RDR/RAWP.

Groundwater P&T Facilities**200 West P&T**

- Achieved an average pumping rate of approximately 2,020 gpm for July.
- Maintained effluent concentrations below cleanup levels specified in ROD.
- Completed drilling of extraction well YE-13 and started drilling on extraction well YE-11. Operational testing is ongoing for injection well YJ-16.

100 Area P&Ts

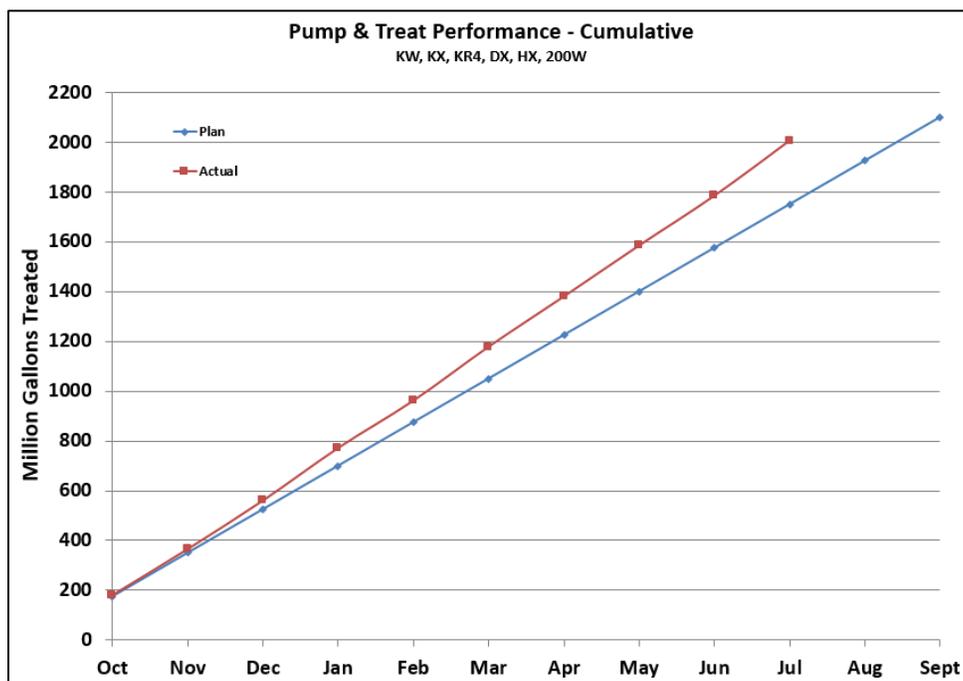
- Operated the DX P&T at 740 gpm, which exceeds the original design capacity of 600 gpm.
- Operated the KR-4 P&T above 330 gpm, which exceeds original design capacity of 300 gpm.
- Operated the KW P&T above 320 gpm, which exceeds the original design capacity of 200 gpm.
- Operated the KX P&T above 800 gpm, which exceeds the original design capacity of 600 gpm.
- Continuing HX P&T operations while executing construction activities associated with the P&T optimization plan. Monthly average 686 gpm, current flow 720 gpm.

Perched Water (200-DV-1)

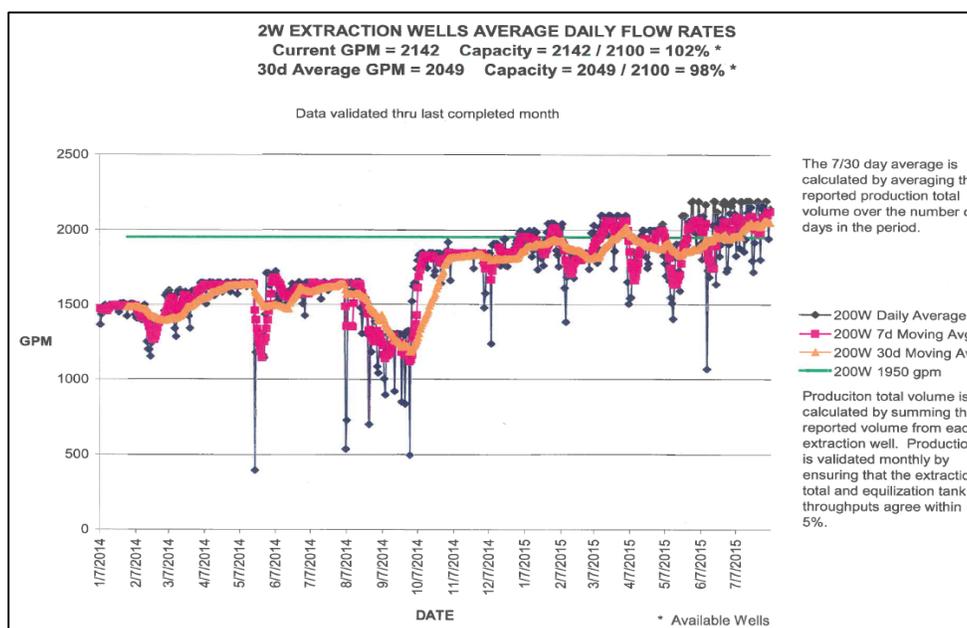
- The B Area perched water extraction system removed 6,781 gallons in July to bring the total volume of perched water removed to 296,887 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of July:

Contaminant	July	Cumulative (since startup)
Tc-99	0.9 E-03 Ci	35.64 E-03 Ci
Uranium	1.95 kg	67.15 kg
Nitrates	13.9 kg	569.9 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 has caused an impact to the FY2015 scope associated with installation of the six new M-24 milestone monitoring wells and D&D of the P&T facility.

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

Status – The draft final MOAs for the well installation and D&D of the P&T facility were transmitted by RL to the Tribes, State Historic Preservation Office (SHPO) and the Advisory Council on Historic Preservation on July 2, 2015. Comments were received on July 24, 2015. No comments were received on the MOA for D&D of the P&T facility. RL is responding to comments on the MOA for well installation, including holding a workshop on July 28, 2015, to disposition comments. Completion of this process is expected to occur in late August 2015.

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

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

Status – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. Through July, Ecology’s legal comments on the Draft Rev 0 100-D/H PP have not been received (document sent to Ecology on June 2, 2015). The scheduled weekly comment resolution meetings with Ecology on the 100-N RI/FS Report are only occasionally held due to regulator availability. Meetings continue between RL and Ecology legal to resolve long-standing issues with 200-IS-1 RI/FS Work Plan.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
-  No Change
-  Decreased Confidence

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-030/WBS-030				
Explanation of major changes to the project monthly spotlight chart: In the month of July RL-030 closed out unassigned risk SGW-099.				
Realized Risks (Risks that are currently impacting project cost/schedule)				

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
RL-030/WBS-030													
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 RL Panel Review on the SAPs.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Obtain RL approval of the revised SAP.</td> <td>12/1/15</td> <td>58</td> </tr> </tbody> </table> <p>Opportunity Assessment: All CERCLA SAPs have completed review by the RL Panel Review, with the revised SAPs except 100-KR-4 on schedule to be completed this FY. The resolution of Ecology's comments on the 100-HR-3 SAP will be incorporated into the 100-KR-4 SAP, which is on schedule to be completed this CY.</p> <p>An approach has been developed to revise the RCRA groundwater monitoring plans and is being implemented with the support of RL and Ecology. The current schedule has the RCRA groundwater monitoring plans being completed this CY.</p> <p>Good progress has been made on development of the AEA groundwater monitoring SAP including incorporation of the current RL guidance documents. This document is on schedule to be completed by December 1, 2015. The slip to the approval does not require any alternative course of actions at this time.</p>	Opportunity action(s)	FC Date	%	Develop schedule for completing RL Panel Review on the SAPs.	Complete	100	Obtain RL approval of the revised SAP.	12/1/15	58
Opportunity action(s)	FC Date	%											
Develop schedule for completing RL Panel Review on the SAPs.	Complete	100											
Obtain RL approval of the revised SAP.	12/1/15	58											
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)													
No critical risks identified in the month of July.													
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)													
No high threat value risks identified in the month of July.													
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. CHPRC Comment: 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-045:Regulator Comments Change Requirements	<p>Risk Event: Progress on several key decision documents have been delayed due to regulator comments and resource availability:</p> <ul style="list-style-type: none"> 100-D/H PP: The draft Rev 0 100-D/H PP was provided to Ecology in September 2014 for review. EPA’s Remedy Review Board (RRB) then began on January 26, 2015, whose comments were received by CHPRC on April 30, 2015. Additional technical reviews by Ecology have been completed. Ecology’s legal review began June 9, 2015, and is scheduled for 30 calendar days. Ecology legal review extended from Jul 10, 2015, to July 17, 2015. Ecology legal comments have not been received as of August 3, 2015. 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. 100-N RI/FS: The Draft A 100-N RI/FS and Proposed Plan were provided to Ecology on June 24, 2013, completing Milestone M-015-75. Comments were received on October 2, 2013. Comment resolution has continued, which includes weekly meetings to resolve comments chapter by chapter and preparation of several technical position papers. The team has progressed up to Chapter 8. However, Ecology submitted 104 additional comments on the revised Chapter 6, “Risk Assessment”, on May 21, 2015. This chapter had a major revision based on adding 92 new waste sites to the RI/FS. 200-IS-1 RI/FS Work Plan (WP): RL 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"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Resolution with Ecology on Draft Rev.0 100-D/H PP.</td> <td rowspan="3">04/30/15</td> <td>09/30/15</td> <td>50</td> </tr> <tr> <td>Resolution with Ecology on Draft A 100-N RI/FS Report.</td> <td>09/30/15</td> <td>79</td> </tr> <tr> <td>Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.</td> <td>09/30/15</td> <td>50</td> </tr> </tbody> </table>				Risk recovery action(s)	Risk Date	FC Date	%	Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50	Resolution with Ecology on Draft A 100-N RI/FS Report.	09/30/15	79	Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.	09/30/15
Risk recovery action(s)	Risk Date	FC Date	%														
Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50														
Resolution with Ecology on Draft A 100-N RI/FS Report.		09/30/15	79														
Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.		09/30/15	50														
<p>Recovery Action Assessment:</p> <ul style="list-style-type: none"> 100-D/H PP: RL verified with Ecology that legal review was initiated June 9, 2015, with a scheduled duration of 30 calendar days. RL requested status of Ecology comments on August 3, 2015. 100-N RI/FS: Comment resolution with Ecology on the Draft A 100-N RI/FS Report continues with the RI (Chapters 6 and 7) and limited progress on Chapter 8 of the FS. A revised project delivery schedule was prepared that is consistent with the extension from Ecology to September 30, 2015, as the basis to complete comment resolution. The revised schedule calls for the RI/FS to be complete on September 30, 2015, however Ecology’s availability continues to impact schedule. 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 was extended to September 30, 2015). The CHPRC project team continues Work Plan preparation efforts based on the scope identified in the two draft change packages (FES Activity 30.31.3.7.DR). 																	
SGW-099:ERDF Impacts on 200 West P&T Waste Disposition	In the month of July SWG-099 was closed in the CHPRC risk database as RL will characterize and capture this risk as appropriate in the RL risk elicitation process. This risk will no longer be reported, but will continue to be managed with CHPRC and RL.																

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	14.3	13.4	11.8	(0.9)	-6.3%	1.6	11.8%

Numbers are rounded to the nearest \$0.1 million.

CM Schedule Performance (-\$0.9M/-6.3%)

The negative schedule variance resulted from the following:

- Completed two of six 100-KR-4 well realignments ahead of schedule. The negative SV is a combination of the positive SV gained in prior periods returning to zero and the deferral of the remaining four well realignments because they were not needed for FY2015 P&T optimization.



- The TW-1/2 OU Characterization drilling campaign mobilized in July. The project is working with the drilling subcontractor to identify a new approach to reach required depths while minimizing waste after three failed attempts to reach required drilling depth.
- The negative CM SV is offset by favorable trends being experienced at the 100-HR-3 Operable Unit due to acceleration of well realignments to increase the volume of processed groundwater through the pump-and-treat systems as identified in the FY2015 Optimization Plan.

CM Cost Performance (+\$1.6M/+11.8%)

The positive cost variance resulted from the following:

- Closure of the onsite WSCF Laboratory and the subsequent use of offsite laboratories has resulted in analytical costs significantly lower than budgeted. The project also continues to realize the efficiencies obtained by the competitive rebid of the geophysical logging subcontract during the period of heavy well drilling.
- The project continues to see a favorable cost variance due to the program requiring fewer leased vehicles, fuel, inspection, maintenance and report work than originally planned.
- The 100-D/H and 100K Pump-and-Treat plant operations progressed very smoothly this month resulting in less labor and materials needed for maintenance activities than planned. During this month, plant engineers and supervisors provided support to the 100-HR-3 well realignment activities.

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	1,126.8	1,120.6	1,100.9	(6.2)	-0.5%	19.7	1.8%	1,540.8	1,493.0	47.8

Numbers are rounded to the nearest \$0.1 million.

CTD Schedule Performance (-\$6.2M/-0.5%)

Variance is within reporting thresholds.

CTD Cost Performance (+\$19.7M/+1.8%)

Variance is within reporting thresholds.

Variance at Completion (+\$47.8/+3.1%)

Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

FY2015			
RL-0030 Soil and Groundwater Remediation	Projected Funding	Spending Forecast	Spend Variance
RL-0030	138.5	129.0	9.5

Numbers are rounded to the nearest \$0.1 million

Funds/Variance Analysis

RL-0030 project funding is \$138.5 million for FY2015. The Spend Forecast decreased from June to July due to the project better aligning the MBR cassette installation, buy back item time phasing, and adjusting the forecast for the TW-1/2 characterization to identify new drilling approach.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-15-021R0, *CO #271, TPA Administrative Record Upgrade*

BCR-030-15-022R0, *CO #268, Decommission of Cone Penetrometers and Soil Tubes at 1100-EM-1*

BCR-030-15-023R0, *Definitization of CO #262, 200W P&T Membrane Bioreactor Addition*

BCR-030-15-024R0, *Update to PBS RL-030 for TPA Milestone M-016-190*

BCRA-PRC-15-047R0, *Schedule Health, Remove Redundant Network Logic*

BCR-PRC-15-049R0, *Undistributed Budget Adjustments - July 2015*

FY2015 Management Reserve (Funded): \$1.75 million

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

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant achievements in project execution. Enforceable TPA milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key activities. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. TPA Milestone M-015, M-016, M-037 and M-085 series are in negotiation. Negotiations have been extended to July 29, 2015. The following table is a one year look ahead of TPA enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15	7/13/2015		Completed July 13, 2015 (CHPRC-0402233.44)
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		TBD	Dispute resolution was extended to September 30, 2015. Awaiting Ecology review of two change packages associated with scope (impacted by requirement to identify TSDs).
M-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 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		5/13/15	To be missed. Letter CHPRC-1500938 submitted to notify 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-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 RL that M-015-110B is to be missed.
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/14/15	On schedule
M-016-190	Complete installation of extraction and injection wells for U Plant area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	12/29/15		10/7/15	On schedule. Due date amended July 6, 2015, via change notice M-16-15-05.
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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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 RL that M-015-91B is to be missed.
M-024-66	RL shall complete the construction of all wells listed for CY2015	TPA	12/31/15		7/29/15	On schedule
M-015-78	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/16		2/24/16	On schedule
M-091-40L-049	Submit Oct. to Dec. 1st Quarter FY2016 Burial Ground Sample Results.	TPA	3/15/16		3/15/16	On schedule
M-016-191	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plan area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	3/30/16		3/30/16	On schedule
M-024-58I	Initiate Discussions of Well Commitments	TPA	6/1/16		6/1/16	On schedule
M-091-40L-050	Submit Jan to March 2nd Quarter FY2016 Burial Ground Sample Results.	TPA	6/15/16		6/15/16	On schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues). The Project transmitted 224T Documented Safety Analysis (DSA) to RL on July 21, 2015, submitted B Plant DSA for CHPRC approvals prior to transmittal to RL, and resolved RL comments on PUREX DSA/Technical Safety Requirement (TSR). The 241-Z-361 (PFP) Tank DSA and Technical Safety Requirement (TSR) was also completed and documents are in final review cycle

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	4	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Operations/Maintenance
 - o Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
 - o Completed B Plant Surveillance Discrepancy Review meeting
 - o Completed Plutonium Uranium Extraction Plant (PUREX) Post-Surveillance Discrepancy Review meeting
 - o Supported well drilling operations at B Plant
 - o Completed miscellaneous facilities annual surveillances
 - o Completed annual inspection and lube preventative maintenance (PM) for 221B-EF-101 and 221B-EF-102
 - o Completed Treatment, Storage and Disposal (TSD) Quarterly Site Surveillances
 - o Removed loose flashing from Reduction-Oxidation S Plant (REDOX) roof (addresses 222-S concern)
 - o Completed annual indoor radioactive material area (RMA) inspections
 - o Supported Beryllium characterization for connex near 4716

- o Down-posted RMAs at B Plant and 242 B/BL
- o Completed 212-B Roll-Up Door Annual Inspection
- Completed:
 - o 66 radiological facility surveillances
 - o 25 preventive maintenance (PM) activities
- Nuclear Safety
 - o Transmitted 224T Documented Safety Analysis (DSA) to RL on July 21, 2015
 - o Submitted B Plant DSA for CHPRC approvals prior to transmittal to RL
 - o Resolved RL comments on PUREX DSA/Technical Safety Requirement (TSR). RL Safety Evaluation Report (SER) being drafted
 - o Transmitted REDOX DSA/TSR to RL on July 27, 2015
 - o Completed 216-Z-9 (PFP facility to be transitioned to RL-040) Hazards Analysis in final review cycle
 - o Completed 241-Z-361 (PFP facility to be transitioned to RL-040) Tank DSA and Technical Safety Requirement (TSR). Documents in final review cycle
- 207A South Retention Basin Closure
 - o Initiated Cold and Dark verification at 207A South Retention Basin
 - o Completed waste profile at Environmental Restoration Disposal Facility (ERDF)
 - o Completed asbestos sampling

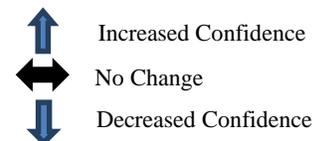
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

-  Opportunity realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



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 July .				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of July .				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of July .				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of July .				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
D4-022: Conflicts Between Regulatory Agencies	EPA and Ecology do not agree on plans for accomplishing facility D4, or disposition pathways for waste, which causes schedule and probable cost impacts. <u>CHPRC Comment:</u> Regulator actions are outside of CHPRC control.			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
RL-040/WBS-040				
D4-039A: Pre-FY 2013 ERDF Impacts to D4 Activities	ERDF cannot accept D4 wastes or provide required support as the wastes are generated. This risk applies to D4 activities occurring before CHPRC assumes control of ERDF. <u>CHPRC Comment:</u> Performance of other Hanford contractors is outside of CHPRC control.			
D4-P-049: PUREX Tunnels Disposition	PUREX Tunnels materials must be removed and treated prior to tunnel closure. <u>CHPRC Comment:</u> RL decision or change to previous decision are outside of CHPRC control.			
D4-U-023: EPA Disallows Adding Additional Items to U-Plant ROD	EPA will not allow adding additional items (such as ancillary facility sand filters or WR vault) to the U-Plant Record of Decision (ROD) <u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.			
WSR-001: Canyon Facility Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining canyon facilities requires removal/treatment/disposal rather than cap in place. <u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.			
WSR-002: Semi-Works Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining the Hot Semi-Works requires removal/treatment/disposal rather than cap in place and requires RCRA closure of the CX tanks. <u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.			
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-004: MG-1/MG-2 Cleanup Requirements	Cleanup requirements for 200-MG-1 and 200-MG-2 are more stringent than proposed in the EE/CA's. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-005: NRDWL/Landfill Remediation	Regulators will require a remove/treat/dispose (RTD) remedy for selected portions of the Nonradioactive Dangerous Waste Landfill (NRDWL) or the Central Landfill. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-007: More Extensive Contamination Than Expected	During waste site remediation, contamination depth or breadth is greater than planned. <u>CHPRC Comment:</u> Waste site dimensions were provided in the RFP and associated documents. Deviations from those specific in the RFP are outside of CHPRC control.			
WSR-008: No Action Waste Sites	Confirmatory samples determine no action waste sites require RTD remediation. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-009: Different Remediation Approach	Regulators will require a different cleanup remedy than planned. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-010: Different Remediation Approach	Regulators may agree to a less restrictive cleanup remedy than planned in the baseline. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-011: Regulators Disagree on Remediation Approach	EPA and Ecology disagree on remediation approach for similar waste sites within a closure zone where the waste sites are assigned to different operable units and have different lead regulatory agencies. <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-012: Waste Site Remediation Required Earlier Than Planned	Regulators require closure actions on waste sites before funds available to address adjacent facilities/sites. <u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.			
WSR-014: Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation. <u>CHPRC Comment:</u> Unexpected contaminants are outside of CHPRC control.			
WSR-015: Borrow Material Shortage	Sufficient borrow material to support cleanup remedies is not available on site. <u>CHPRC Comment:</u> Restrictions on borrow pit usage and development are outside of CHPRC control.			
WSR-018: ERDF Priorities Impact Waste Site Remediation	Conflicting ERDF priorities impact the CHPRC waste site remediation schedule. <u>CHPRC Comment:</u> Performance of other Hanford Contractors is outside of CHPRC control.			
WSR-019: Regulator Required Barrier Design Changes	Regulators require changes to planned barrier designs. <u>CHPRC Comment:</u> Regulator decisions/actions are outside of CHPRC control.			

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

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.4	1.3	1.1	(0.0)	-1.4%	0.2	18.2%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance: (-\$0.0M/-1.4%)

Variance is within reporting threshold.

CM Cost Performance: (+\$0.2M/+18.2%)

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	399.2	398.8	367.4	(0.4)	-0.1%	31.3	7.9%	462.4	425.6	36.7

Numbers are rounded to the nearest \$0.1 million

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

Variance is within reporting threshold.

CTD Cost Performance: (+31.3M/+7.9%)

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

- ARRA-funded work scope included efficiencies with Program Management (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million) and efficiencies with Arid Lands Ecology (ALE) (\$3.7 million), North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million). This is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, and ERDF passback, which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.4 million) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.2 million), Surveillance and Maintenance (S&M) costs less than expected (\$4.5 million), U-Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1 million), Program Management utilizing less resources (\$3.5 million) and underrun in overhead allocations (\$2.0 million).

Variance at Completion (+\$36.7M/+7.9%)

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

Contract Performance Report Formats are provided in Appendix A.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	18.4	13.7	4.7

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis

FY2015 funding for PBS RL-0040 is unchanged in July. The Spend Forecast was changed from \$14.9 million to \$13.7 million due to delay in initiating Canyon Risk Mitigation activities pending finalizing a prioritization process and work scope selection with RL. In addition, the project is experiencing delays in other authorized buy back work including 207A South Retention Basin and radiation detection equipment purchases.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-15-047R0 – *Schedule Health, Remove Redundant Network Logic*

BCR-PRC-15-048R0 – *HPIC Updates July 2015*

BCR-PRC-15-049R0 – *Undistributed Budget Adjustments – July 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The 100K Characterization Wells Project completed 116-KE-3 well construction and initiated well development. In addition, UPR-100-K-1 completed drilling through 18 feet of clean backfill, drilled and sampled to a depth of 50 feet below ground surfaces, and continued monthly radiological surveillances. In addition, the project is making preparations for the recently authorized acceleration of waste site remediation scope for Area AB and asbestos abatement in 165-KE.

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
 - Completed well construction
 - Initiated well development
 - Received all final lab results for the soil and water samples collected during drilling
 - UPR-100-K-1
 - Completed drilling through 18 feet of clean backfill
 - Initiated drilling through native soils encountering contamination within the first 20 feet
 - Drilled and sampled to a depth of 50 feet below ground surface
- Completed Surveillances:
 - Radiological – 22
- Initiated preliminary planning for authorized accelerations:
 - Prepared draft statement of work for Area AB waste site remediation
 - Initiated hiring for insulators in support of 165KE Asbestos Abatement

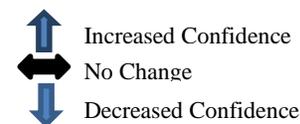
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



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 RL-041 in the month of July.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of July.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of July.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of July.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified for RL-041 in the month of July.				

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	1.0	0.9	0.9	(0.1)	-7.8%	(0.1)	-6.3%

Numbers are rounded to the nearest \$0.1 million

CM Schedule Performance (-\$0.1M/-7.8%)

The current period schedule variance is within threshold.

CM Cost Performance (-\$0.1M/-6.3%)

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	315.3	314.8	287.4	(0.5)	-0.2%	27.4	8.7%	397.9	373.4	24.6

Numbers are rounded to the nearest \$0.1 million

CTD Schedule Performance (-\$0.5M/-0.2%)

The schedule variance is within threshold.

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

The positive variance is primarily the result of prior year activity that had 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 was partially offset by the cost overruns in prior years for the Utilities Project.

Variance at Completion (+\$24.6M/+6.2%)

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	11.5	9.5	2.0

Numbers are rounded to the nearest \$0.1 million.

Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 is unchanged for July and remains at \$11.5 million. The Spend Forecast was reduced slightly from \$10.3 million to \$9.5 million to reflect delays in initiating 165-KE asbestos abatement and Area AB waste site remediation.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCRA-041-15-013R0 – *PBS RL-041 Schedule Health, Remove Redundant Network Logic*

BCR-041-15-014R0 – *KE Boreholes Analytical Support Planning Revision*

BCR-PRC-15-048R0 – *HPIC Updates July 2015*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Continued planning for installation of switches for the T-58 heater control circuit
- Fabricated and installed sheet metal guard for R-617
- Performed annual Argon Dewars Tank inspections
- Performed inspection/determination of G-3 Fuel Oil Tank Level per Ecology commitment
- 400 Area Water System
- Completed the annual flushing of hydrants at 400 Area
 - o Completed Quarterly:
 - P-28 Diesel Fire Pump Engine inspections and services
 - Chlorinator inspections at 481
 - o Completed the Periodic testing of the water system valves and gauges
- Completed:
 - o 21 Preventative Maintenance activities
 - o Four operational surveillances
 - o Four radiological surveillances

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- Increased Confidence
- No Change
- Decreased Confidence

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 July.				
Realized Risks (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of July.				
Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of July.				
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of July.				
Unassigned Risks (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in the month of July.				

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	11.1%	0.1	49.8%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.0M/+11.1%)

The current period schedule variance is within threshold.

CM Cost Performance: (+\$0.1M/+49.8%)

The current period cost variance is within threshold.

Contract-to-Date

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	19.7	19.7	16.3	0.0	0.1%	3.4	17.2%	26.7	22.8	3.9

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$3.4M/+17.2%)

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

Variance at Completion (+\$3.9M/+14.6%)

The Variance at Completion is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST (\$M)

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

Numbers are rounded to the nearest \$0.1 million

Funds Analysis

Projected Funding is unchanged for July and remains at \$2.2 million. The Spending Forecast was also unchanged.

Critical Path Schedule

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

Baseline Change Requests

BCR-PRC-15-047R0 – *Schedule Health, Remove Redundant Network Logic*

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



July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD						
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 06 / 22						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2015 / 07 / 26						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY 1	b. NEGOTIATED COST 5,502,764	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 18,310	d. TARGET PROFIT/FEE 229,503	e. TARGET PRICE 5,732,267	f. ESTIMATED PRICE 5,625,246	g. CONTRACT CEILING 5,732,267	h. ESTIMATED CONTRACT CEILING 5,625,246	i. DATE OF OTB/OTS								
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
		MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)		a. NAME (Last, First, Middle Initial) K. K. Dickerson			b. TITLE Prime Contract Manager							
a. BEST CASE		5,315,880				c. SIGNATURE			d. DATE SIGNED 7/26/2015							
b. WORST CASE		5,495,518														
c. MOST LIKELY		5,395,743	5,521,074	125,331												
8. PERFORMANCE DATA																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	11,316	10,285	9,542	513	1,279	836,913	803,790	823,835	(33,123)	(20,045)	0	0	0	952,929	952,153	776
012 RL-12 SNF Stabilization and Disposition	8,485	6,445	8,088	74	892	500,624	500,967	512,608	343	(11,640)	0	0	0	696,176	761,099	(64,923)
013 RL-13 Solid Waste Stabilization & Disposition	9,403	9,036	7,804	(895)	3,065	963,234	962,323	911,011	(911)	51,313	0	0	0	1,312,929	1,237,524	75,404
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	14,325	13,420	11,840	(1,247)	286	1,126,835	1,120,641	1,100,899	(6,194)	19,742	0	0	0	1,537,962	1,490,149	47,813
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,356	1,337	1,094	(174)	226	399,180	398,763	367,437	(417)	31,326	0	0	0	456,584	421,674	34,910
041 RL-41 Nuclear Facility D&D - River Corridor	958	883	939	(57)	(299)	315,312	314,774	287,385	(538)	27,390	0	0	0	397,949	373,365	24,584
042 RL-42 FFTF Closure	191	212	106	(9)	73	19,732	19,749	16,347	17	3,402	0	0	0	26,694	22,790	3,904
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														58,935	57,126	1,809
e. Sub Total	46,033	41,617	39,413	(4,417)	2,204	4,161,830	4,121,007	4,019,521	(40,823)	101,486	0	0	0	5,440,157	5,315,880	124,277
f. Management Reserve														79,863		
g. Total	46,033	41,617	39,413	(4,417)	2,204	4,161,830	4,121,007	4,019,521	(40,823)	101,486	0	0	0	5,520,020		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance										(40,823)	101,486					
													5,520,020	5,315,880	204,140	

*UB variance of \$1.8M is due to administrative data entry error in the EAC. This will be corrected in the upcoming period.

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 / 06 / 22								
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X			b. TO (YYYYMMDD) 2015 / 07 / 26								
		c. TYPE CPAF		d. SHARE RATIO													
5. PERFORMANCE DATA																	
ITEM (1)	FOC	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
		WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
34 - Env Program & Strategic Planning																	
340 - Environmental Prog & Regl Mgt		772	869	794	97	75	54,667	54,777	50,624	111	4,153	0	0	0	83,176	81,539	1,637
		772	869	794	97	75	54,667	54,777	50,624	111	4,153	0	0	0	83,176	81,539	1,637
35 - Business Services																	
35K - PRC Finance		0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902
		0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902
36 - Prime Contract & Project Integration																	
365 - Perf Assess & Risk Mgmt		452	452	229	0	223	1,262	1,262	665	0	597	0	0	0	8,602	7,921	681
		452	452	229	0	223	1,262	1,262	665	0	597	0	0	0	8,602	7,921	681
3B - PFP Closure																	
36Y - Matrixed to PFP		0	0	0	0	0	4,822	4,822	5,328	0	(507)				4,822	5,328	(507)
3B0 - PFP Close/BOSS D&D & Infrastruc		1,865	1,493	2,162	(373)	(669)	153,480	141,779	164,061	(11,701)	(22,282)	0	0	0	168,226	184,867	(16,641)
3B3 - Project Management/Subcontracts		1,186	1,167	957	(19)	210	130,556	130,405	136,412	(151)	(6,007)	0	0	0	139,936	150,136	(10,200)
3B4 - Engrg Nuc Saf Plng&Wrk Control		1,895	2,055	1,259	160	796	38,017	38,098	28,077	81	10,021	0	0	0	81,674	63,736	17,938
3B7 - Environmental & Waste		817	829	889	12	(60)	60,669	59,952	49,918	(717)	10,034	0	0	0	73,244	74,763	(1,519)
3BA - Project Mgmt D&D		1,246	1,248	1,161	2	87	164,648	164,649	162,115	1	2,534	0	0	0	173,152	170,499	2,653
3BB - PFP D4 Deputy Project Mgmt		4,210	3,396	3,056	(814)	341	198,317	177,680	198,790	(20,636)	(21,110)	0	0	0	224,617	222,871	1,746
		11,219	10,188	9,483	(1,032)	704	750,509	717,386	744,701	(33,123)	(27,316)	0	0	0	865,670	872,200	(6,530)
3C - Waste & Fuels Management Project																	
3C1 - Waste & Fuels Mgmt Proj		342	228	619	(114)	(390)	61,666	61,197	54,500	(469)	6,697	0	0	0	62,703	56,929	5,774
3C4 - Waste & Fuels Project Controls		2,449	2,475	1,016	26	1,459	186,675	186,640	177,356	(35)	9,285	0	0	0	276,025	247,186	28,838
3C9 - Liquid & Fuels Storage		1,392	1,350	2,284	(42)	(934)	219,392	219,678	206,470	286	13,208	0	0	0	344,123	351,534	(7,411)
3CD - Waste Disposition		5,145	4,908	3,835	(237)	1,073	387,730	387,036	365,001	(693)	22,035				521,203	473,061	48,142
		9,329	8,961	7,754	(367)	1,207	855,463	854,552	803,327	(911)	51,224	0	0	0	1,204,054	1,128,709	75,344
3D - Soil & Groundwater Remediation																	
3D0 - Soil & Groundwater Remediation		1,238	1,066	751	(171)	315	88,613	88,460	86,057	(153)	2,403	0	0	0	141,155	125,908	15,247
3D2 - GW Remediation Support		3,296	3,561	2,883	265	679	189,323	186,742	173,895	(2,581)	12,847	0	0	0	277,963	260,686	17,277
3D4 - GW Operations		3,584	3,472	3,003	(112)	469	187,232	187,184	173,161	(48)	14,023	0	0	0	308,392	289,043	19,349
3D8 - GW Analysis and Reporting		5,332	4,348	4,349	(984)	(1)	508,329	504,806	511,964	(3,523)	(7,158)	0	0	0	626,425	625,680	745
		13,449	12,448	10,985	(1,002)	1,462	973,497	967,192	945,078	(6,305)	22,114	0	0	0	1,353,935	1,301,317	52,618
3G - K Basin Oper & Plateau Remediation Project																	
38X - Support to W&FMP/D & DD Project		2,445	1,531	2,890	(914)	(1,359)	56,901	58,063	79,833	1,162	(21,769)	0	0	0	91,055	174,278	(83,223)
3AD - Sludge Treatment Project		5,862	4,770	5,127	(1,092)	(357)	379,050	378,489	368,078	(561)	10,411	0	0	0	538,170	519,445	18,725
3BX - Support 3C W&FMP/D&DD Project		947	872	928	(75)	(56)	249,993	249,455	228,908	(538)	20,547	0	0	0	324,739	307,285	17,454
3C2 - DWF&RS		74	41	36	(34)	5	919	662	555	(257)	106				1,099	1,157	(58)
3CX - support to 3G 100K Area Project & BOS D&D		251	239	178	(12)	61	33,175	33,106	38,975	(69)	(5,869)				49,356	53,516	(4,159)
3G2 - CPS&M / D4		1,232	1,247	1,007	15	239	324,652	324,321	299,757	(331)	24,563	0	0	0	379,624	352,370	27,254
3G3 - Project Office		0	0	0	0	0	9,220	9,220	10,397	0	(1,177)				9,220	10,397	(1,177)
		10,811	8,899	10,166	(2,113)	(1,487)	1,053,910	1,053,315	1,026,503	(695)	26,812	0	0	0	1,393,282	1,418,446	(25,164)
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															58,935	57,126	1,809
e. Sub Total		46,033	41,617	39,413	(4,417)	2,204	4,161,830	4,121,007	4,019,521	(40,823)	101,486	0	0	0	5,440,157	5,315,880	122,489
f. Management Resrv.															79,863		
g. Total		46,033	41,617	39,413	(4,417)	2,204	4,161,830	4,121,007	4,019,521	(40,823)	101,486	0	0	0	5,520,020		

*UB variance of \$1.8M is due to administrative data entry error in the EAC. This will be corrected in the upcoming period.

CONTRACT PERFORMANCE REPORT													FORM APPROVED
FORMAT 4 - STAFFING													OMB No. 0704-0188
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD			
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 06 / 22			
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2015 / 07 / 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 Aug	+2 Sep	+3 Oct	+4 Nov	+5 Dec	+6 Jan					
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
300 - Office of the President													
35X - Support to President	5	486	5	5	5	5	5	5	5	48	63	63	687
	5	486	5	5	5	5	5	5	5	48	63	63	687
303 - Internal Audit													
303 - Internal Audit	4	353	5	5	5	5	5	5	5	45	60	60	544
	4	353	5	5	5	5	5	5	5	45	60	60	544
304 - General Counsel													
304 - General Counsel	5	337	5	5	5	5	5	5	5	46	60	60	527
	5	337	5	5	5	5	5	5	5	46	60	60	527
31 - Communications													
310 - Communications	9	797	10	10	9	9	9	9	9	81	108	108	1,142
	9	797	10	10	9	9	9	9	9	81	108	108	1,142
32 - Safety, Health, Security & Quality													
320 - Safety Health Security/Quality	14	1,610	15	15	16	16	16	16	16	145	199	199	2,232
321 - RAD PRO/Emergency Prep	0	0	0	0	0	0	0	0	0	0	0	0	0
322 - Nuclear Ops Supp & Compliance	8	797	7	7	9	9	9	9	9	81	96	96	1,111
324 - Quality Assurance	14	1,819	15	15	17	17	17	17	17	151	207	208	2,467
328 - Occup Safety & Indus Hygiene	15	1,543	19	18	19	19	19	19	19	167	247	247	2,297
	51	5,769	56	56	60	60	60	60	60	544	750	751	8,107
34 - Environmental Prog & Strategic Planning													
340 - Environmental Prog & Regl Mgt	38	3,746	42	41	49	49	49	49	49	439	605	605	5,624
	38	3,746	42	41	49	49	49	49	49	439	605	605	5,624
35 - Business Services													
35D - Contract Mgmt & Facility Srvcs	25	3,150	27	27	27	27	27	27	27	247	340	340	4,212
35F - Industrial Relations	5	408	6	6	5	5	5	5	5	48	62	64	609
35H - Human Resources	15	1,187	15	15	16	16	16	16	16	143	177	177	1,762
35K - PRC Finance	12	1,399	12	12	13	13	13	14	14	124	156	156	1,899
	56	6,144	60	60	62	62	62	62	62	561	735	737	8,482
36 - Prime Contract & Project Integration													
361 - Cont Compl & Change Mgmt	11	667	12	12	13	13	13	13	13	117	156	156	1,159
363 - EVMS Compl & Rptg	18	1,472	18	18	17	17	17	17	17	153	180	180	2,073
365 - Perf Assess & Risk Mgmt	7	358	15	15	16	16	16	16	16	145	163	154	900
366 - Information & Interface Mgmt	13	1,067	14	14	15	15	15	15	15	135	168	168	1,611
	50	3,564	59	59	61	61	61	61	61	550	667	658	5,741
38 - Project Technical Services													
381 - Central Engineering	7	635	10	10	7	7	7	7	7	63	113	113	964
382 - Training & Procedures	8	2,132	9	9	10	10	10	10	10	90	120	120	2,510
383 - Operations Programs	6	836	6	7	7	7	7	7	7	63	84	84	1,101
384 - Project Delivery	10	1,176	10	10	11	11	11	11	11	101	122	122	1,575
	31	4,778	36	37	35	35	35	35	35	317	439	438	6,151
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	45	5,208	46	46	37	37	37	28	28	256	0	0	5,666
3B3 - Project Management/Subcontracts	28	5,356	29	29	23	23	23	23	23	209	75	0	5,768
3B4 - Engrg Nuc Saf Plng&Wrk Control	50	1,504	55	62	47	47	47	92	92	824	22	0	2,608
3B7 - Environmental & Waste	31	2,979	34	34	35	35	35	35	35	312	65	0	3,529
3BA - Project Mgmt D&D	60	11,470	63	63	50	50	50	22	22	200	1	0	11,948
3BB - PFP D4 Deputy Project Mgmt	144	13,432	137	138	146	146	146	39	39	354	0	0	14,497
	358	40,472	364	372	338	338	338	239	239	2,155	163	0	44,539
3C - W&FMP													
3C1 - Waste & Fuels Mgmt Proj	18	939	22	16	7	7	7	2	2	20	0	0	1,018
3C4 - Waste & Fuels Project Controls	50	6,888	54	53	72	72	72	74	74	664	795	781	9,452
3C9 - Liquid & Fuels Storage	73	12,312	75	76	84	84	84	83	83	750	1,095	1,580	16,176
3CD - Waste Disposition	116	20,994	121	118	119	119	119	118	118	1,064	1,563	1,342	25,607
	257	41,134	271	263	282	282	282	278	278	2,498	3,453	3,703	52,254
3D - Soil & Groundwater Remediation													
3D0 - Soil & Groundwater Remediation	33	3,265	36	36	44	44	44	43	43	390	523	523	4,904
3D2 - GW Remediation Support	60	6,732	71	65	67	67	67	64	64	573	827	906	9,375
3D4 - GW Operations	109	8,202	122	104	100	100	100	105	105	949	1,257	1,254	12,190
3D8 - GW Analysis and Reporting	81	10,248	88	67	59	59	59	53	53	478	858	1,102	13,043
	282	28,448	317	272	270	270	270	266	266	2,391	3,465	3,785	39,512
3G - KBO&PR													
38X - Support to W&FMP/D & DD Project	42	1,525	55	50	85	85	85	99	99	888	1,190	135	4,096
3AD - Sludge Treatment Project	150	16,406	149	149	159	159	159	156	156	1,406	1,854	1,730	22,200
3BX - Support 3C W&FMP/D&DD Project	28	7,237	37	30	46	46	46	59	59	530	617	943	9,531
3C2 - DWF&RS	2	28	4	4	1	1	1	0	0	2	0	0	40
3CX - support to 3G 100K Area Project & BOS D&D	3	185	8	7	6	6	6	6	6	50	67	64	398
3G2 - CPS&M / D4	49	13,163	59	50	43	43	43	45	45	401	768	784	15,365
3G3 - Project Support	0	496	0	0	0	0	0	0	0	0	0	0	496
	273	39,040	312	290	339	339	339	364	364	3,276	4,496	3,655	52,128
Grand Totals:	1,420	175,068	1,540	1,474	1,521	1,521	1,521	1,439	1,439	12,952	15,064	14,624	225,437

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

laboratories has resulted in analytical costs significantly lower than planned.

Corrective Actions underway for PFP given the schedule impacts to date and the remaining time to recover, plus sequestration impacts, the completion date is now October 11, 2016, which is reflective of removing 13 gloveboxes from 234-5Z during demolition preparations and demolition. The PFP critical path drives through the completion of process piping removal in the 234-5Z duct level, leading to 234-5Z becoming ready for demo, then demolition of 234-5Z, and finally stabilization of the PFP site leading to completion of the final Tri-Party Agreement milestone – M-083-00A - *PFP Facility Transition and Selection Disposition Activities*. This achieves completion of the M-083-44A TPA – Complete Significant Progress on Deactivation and Removal of 208 Gloveboxes and Disposal of all 236-Z Pencil Tanks in Preparation for Demolition, then 242-Z/242-ZA and finally the 234-5Z facilities leading to completion of the final Tri-Party Agreement milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*. The project is initiating a drain line grouting concept that will provide acceleration of efficiencies to remove the drain lines in the basement of 234-5Z. Preparations have been delayed due to increased duration required for E4 stub removal on the first floor of 234-5Z. D&D discrete work activities and will continue to align with the end date of the PFP Project.

No other specific Corrective Actions are planned at this time.

There were no significant baseline changes in the current reporting period.

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 +\$124.3 million and +2.3% and is within reporting thresholds.

Format 1 and 3 Contract Data: Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$18,310
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$18,310

Use of Management Reserve (MR), Fee Activity and Undistributed Budget (UB):

MR Utilization

BCR Number	Title	Fiscal Year	MR
BCR-041-15-013R0	<i>KE Boreholes Analytical Support Planning Revision</i>	2015 - 2018	\$119K

Overall, there was an increase of \$119K to Management Reserve during July.

Fee Activity

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

Overall, there was no change to Fee in July.

UB Activity

BCR Number	Title	Fiscal Year	UB
BCR-PRC-15-049R0	<i>Undistributed Budget Adjustments July 2015</i>	N/A	(\$5,177K)

Overall, there was a decrease of \$5,177K to UB during July.

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: 8/13/2015	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

July 2015
CHPRC-2015-07, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

D. A. Millikin
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	8	7/14/2015 - Employee experienced allergic reaction to coworker's fragrances. Employee was taken to HPMC for evaluation and returned to work without restriction. An in office HEPA filter was added to help alleviate any future adverse reactions. (23769)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- SHS&Q activities provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no Recordable injuries, but there was one First Aid case during July.
 - 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 924 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 360 CHPRC facilities. An additional 33 facilities have been sampled.
 - Continued to provide field ergonomic assessments and office ergonomic assessments throughout all projects
 - Continued to provide support to PFP for respiratory protection issues and trending data for PAPR issues
 - Continue to work with Sample Management in resolving issues with the handling and shipping of IH samples
 - Assisting PFP in resolution of shoulder harness for PremAire breathing system
 - Continuing to provide safety personnel to S&GRP and PFP while search is underway to obtain additional project OS&IH staff to fill five OS&IH positions
 - Working with the other Site Contractors to develop consistent controls and requirements for Scaffold Use
 - Completed Independent Assessment of CHPRC Beryllium Disease Prevention Program

- o Radiological Control accomplishments:
 - Working corrective actions to support CHPRC Radioactive Material Area (RMA) management improvement plan submitted to RL
 - 34 RMAs have been identified for elimination
 - Supported 10 CFR 835 Subpart A & B, “*General Provisions & Management and Administrative Requirements*” as part of triennial assessment activities
 - Working Work Site Assessment on Radiation Protection Training
 - Working with Lockheed Martin Services, Inc. (LMSI) to convert Survey Simple to web-based application
 - Issued CHPRC contract for processing MSA Hard-to-Detect radiological samples
 - Approved Administrative Interface Agreement for Integrated Biological Control Program Services
 - Supported 242-Z dose reduction effort
 - Approved 10 Administrative Control Limit extensions for PFP personnel
- o Nuclear Safety accomplishments:
 - Implemented *Recovery Plan CWC-RP-15-002, Friction Mats Analysis for CWC/WRAP Waste Storage Buildings*
 - CWC Building 2404WC Fire Suppression System PISA resolved with a negative PISA determination
 - CHPRC Assessment of PRC-PRO-NS-062 (SHSQ-2015-MA-12234) completed with one Finding and three OFIs
 - Safety Basis documents and letters transmitted to RL include:
 - Letter, CHPRC-1502274.1, dated July 8, 2015, *Transmittal of the Annual Update to HNF-111724, CH2M HILL Plateau Remediation Company Safety Management Program, for RL Approval*
 - E-mail, CHPRC-1503045, dated July 14, 2015, 2015, *CSB FSAR and TSR Annual Update*
 - Letter, CHPRC-1502217.1, dated July 21, 2015, *Transmittal of the 2015 Annual Update to the Documented Safety Analysis for the 224-T Facility, CP-14641, Revision 6, and the Unreviewed Safety Question Determination Summary*
 - Email, CHPRC-1503229, dated July 22, 2015, *2015 WESF DSA and TSR Annual Update*
 - Email, CHPRC-1503297, dated July 27, 2015, *2015 REDOX DSA and TSR Annual Update*
 - Letter, CHPRC-1503193, dated July 27, 2015, *Transmittal of 2015 Unreviewed Safety Question Summary Report and Discussion of Annual Updates to the Plutonium Finishing Plant Safety Basis Documents*
 - Letters received from RL; include:
 - Letter, 15-NSD-0051_RL, dated July 10, 2015, *Transmittal of Surveillance on Plutonium Finishing Plant (PFP) Implementation of the Enhanced Maintenance Plan (EMP) and Technical Safety Requirement (TSR) Specific Administrative Control (SAC) 5.14, 291-Z Exhaust Fan Maintenance (S-15-NSD-PRC-011)*
 - Letter, 15-NSD-0049_RL, dated July 20, 2015, *Submittal of the Annual Update of the 200 Area Interim Storage Area (ISA), HNF-40627, Revision 2 Safety Basis, and Unreviewed Safety Question (USQ) Determination Summary*
 - Letter, 15-NSD-0052_RL, dated July 20, 2015, *Review and Approval of the Evaluation of Safety of the Situation (ESS), the Operability Evaluation, and the Unreviewed Safety Question Regarding the Canister Storage Building (CSB) Multi-Canister Overpack Shield Plug Port Seals*

- Nuclear Safety Procedures and Training
 - Issued PRC-PRO-NS-8317, *Safety Basis Implementation and Maintenance*
- Criticality Safety
 - SHS&Q-2015-WSA-14745, Rev 0, *Quarterly Evaluation of Trends in Criticality Nonconformances – 3rd Quarter FY2015*
 - WRAP Glovebox Baseline documentation annual revision updated and released
- Transportation Safety
 - Letter, CHPRC-1502862, dated July 6, 2015, Transmittal of the 2014-2015 Annual Unreviewed Safety Question Summary for CHPRC Transportation Safety
 - Email, 1503110, dated July 14, 2015, *Proposed Guidance for Transition from RADCALC 4.1 to RADCALC 4.2 Software*
 - Assessment SHSQ-2015-MA-14623 completed, corrective actions entered into CRRS
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
 - 236 Condition Reports (CRs) were screened:
 - No Significant issues identified
 - Three Adverse issues identified
 - 102 Track Until Fixed (TUF) issues identified
 - 87 Trend Only (TO) items identified
 - 87 Opportunity for Improvement (OFI) items identified
 - Two Screen Outs
 - 200 CRs administratively closed
 - 335 CR actions administratively closed
 - Provided support to PFP in development of quarterly performance metrics for presentation at the PFP Continuous Improvement Meeting
 - Coordinated recurring monthly DNFSB STP and PFP status conference calls
 - Sixteen documents were provided in response to DNFSB requests for information
 - One External Lessons Learned was published in OPEX: *Employee Warns Co-Worker of Potential Hazard*
 - Course 080983, *DOE Enforcement Program (PAAA/WSH) Overview Training*, was provided to 15 employees
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
 - Commenced presentations on “Doing Work Safely” - presentations provided to over 450 personnel in July. Presentations to continue through August and into September
 - Issued Annual IEP Call letter for FY 2016 Assessment Scheduling
 - Approved Assessment Plan for a Corporate Assessment of CHPRC Assessment Program
 - Initiated in-field activities for 10 CFR 835, Subparts A & B, General Provisions and Management and Administrative Requirements
 - Provided specific mentoring and feedback to assessors and responsible managers that conducted management assessments
 - Supported the Plutonium Finishing Plant Documented Safety Analysis Revision 12 Implementation Verification Review
 - Completed eight surveillances covering implementation of the CHPRC Suspect/Counterfeit Items and Independent Assessment programs
 - Completed issuance of the new CHPRC calibration services contract for our nuclear facilities
 - Worked with PFP on proper classification of suspect/counterfeit metric fasteners found in recently purchased hoists

- o Fire Protection accomplishments:
 - Open requisitions for Operations Specialist (Fire Safety Officer) are proceeding, one person has been hired and will start in August. The second position is still open.
 - Open requisitions for two FPEs are in the process, one potential hire is awaiting test results and the other position is still being recruited.
 - The update of the Preliminary Fire Hazards Analysis for 105KW Annex is nearing completion, comments are being resolved.
 - The T Plant FHA is being developed to support ECRTS and other T plant operations.
 - The PFP FHA Rev 4 was completed and the Implementation Plan is being developed. However, Rev 5 will be developed over the next couple of months to resolve issues with Rev 4.
 - Facility Fire Protection Assessments were completed on the following facilities:
 - 236Z
 - 242Z/ZA
 - 252AB
 - MO287
 - 243Z
 - 291Z
 - Completed three month combustible surveillance of T Plant. Work package 2T-15-03190/S contains this surveillance.
 - Completed periodic reviews of the PM/S Activities of the SWOC performing the three month and annual TSR surveillances.
 - A Master List of facilities that require a Facility Fire Protection Assessment was completed and approved by RL.
 - Revision to flashover analysis for PFP Room 262 to allow more fuel packages
 - Coordination for the deactivation and demolition of 243-Z (permits, work package reviews, etc.)
 - Continuing revisions to PFP Fire Protection procedures for the Rev 12 TSR/DSA implementation
 - Coordination with Hughes personnel to perform FPAs for PFP building
 - Completed the fire protection annual review of the WESF Safety Basis document
 - Initiated a review and update of the REDOX FHA
 - Began a Fire Protection assessment for U Plant
- 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. Comment resolution has begun for Revision 3.
 - o **Action:** Beryllium facility assessments and characterization sampling were being conducted. Beryllium facility assessments have been completed on 924 CHPRC facilities. Additional personnel resources from Mission Support Alliance (MSA) are being utilized for conducting Be assessments/characterization in Plateau Remediation Contract (PRC) facilities.
 - o **Issue:** Accident & Injury Reduction.
 - o **Status:** Continue investigating recordable, DART, and first aid injuries to determine cause, prevention, reduction, to prevent recurrence.
 - o **Action:** Continued to interface with project personnel, supporting Employee Zero Accident Council (EZAC) and project safety meetings for continued focus on injury prevention. Recordable injury trend across the PRC is of concern. Projects have identified and are implementing additional actions.

- o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward.
- o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
- o **Action:** Supporting PFP initiatives, supplied breathing air system implementation, new Non-Destructive Assay (NDA) equipment and process upgrades, and DSA Revision 13 development.
- o **Issue:** Fire Protection program weaknesses.
- o **Status:** Program weaknesses are being reviewed and Corrective Actions are being identified to improve program. Additional personnel resources are being recruited and hired.
- o **Action:** Working with MSA to work off CHPRC back log items on the MSA Inspection, Testing & Maintenance log. Working with CHPRC projects to schedule and perform back log of facility fire protection assessments.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status**
 - o On May 11, Washington Department of Health (WDOH) and Ecology notified RL it was placing the loss of continuous stack sampling at PUREX on the EPA High Priority Violation (HPV) list. A meeting was held on July 8 with WDOH to communicate RL's intention to replace the existing PUREX sampling system with a more robust and efficient design. This was well received by WDOH. On July 23, WDOH and Ecology met with RL and CHPRC to inform that it was decided to address the lack of CAMs (a pre-existing condition) on the PUREX and B Plant stacks as HPVs. Additionally, the agencies confirmed that the RL self-identified condition of Canister Storage Building (CSB) sampling occurring outside the qualified sampling stack flow rate was also being addressed as a HPV. A contract was put in place with PNNL to reassess the flow qualification at CSB.
 - o An Ecology inspection report expressed concerns with the TSD permittee inspection program at 207-A South Retention Basin. Following an exchange of correspondence, it was concluded that the report could be closed out with the submittal of a revised closure plan, which occurred on June 25. Ecology responded with on July 24 granting a temporary authorization that will allow planned closure activities to proceed this summer.
 - o RL/CHPRC received Ecology's report for its January 2015 T Plant inspection on June 11. A number of compliance concerns were identified, including those related to record keeping, inspection logs, training plan content and major risk labeling. An evaluation and response was provided to RL in July.
 - o In cooperation with CHPRC projects, findings and observations from the Clean Sweep audit were consolidated and the process begun for placing into the Condition Reporting and Resolution System (CRRS).
 - o Continued preparation of the Environmental Enhancement Program Action Plan, continued, with an objective to finalize and provide to RL by September 30.

Environmental Management System

- The CHPRC Environmental Management System was recertified to the ISO-14001 standard for the next three years.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**
 - o An assessment of the maintenance and management of the Equipment Deficiency List (EDL) was completed. One finding resulted identifying that 2 of the EDLs reviewed did not meet procedural requirements. Also, a recommendation was included to revise procedure PRC-PRO-OP-40122 *Control of Equipment and System Status* to including a standard template to improve consistency in documenting EDL information.

- o An assessment of High Sustainable Buildings was completed. One finding and 6 opportunities for improvement were identified. The finding noted that requirements of *Guiding Principles for Federal Leadership in High Performance and Sustainable Buildings* had not been institutionalized.

Business Services

• Acquisition Planning

- o Met with Labor Relations representatives to review the new award of the Radiological Control Technicians master agreement.
- o Developed Acquisition Planning Document for Project Management/Project Integration work associated with technical support services from Babcock Services, Inc.
- o Completed negotiations with DOE-EM for FY2016 strategic sourcing goals.
- o Completed detailed schedule review and updated applicable scheduled items for Sludge Treatment Project's K-Basin construction services work.
- o Developed and routed for approval a Statement of Work for Recruitment Services for Human Resources.
- o Developed a procurement strategy for Third-Party Elevator Inspection Services whereby the current services that are currently performed on a time and material basis will be converted to fixed-priced tasks.
- o Provided input and completed review of the Advanced Notice of Award template to be used for RL notification of subcontract awards >\$150K.
- o Based on the RL procurement threshold letter, drafted revised Acquisition Planning procedure and routed for approval.
- o The Acquisition Manager completed Lean Six-Sigma Training.

• Facilities & Property Management (F&PM)

- o Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 70 percent of 3,407 items through July.
- o Supplied all requested documentation for the FY2015 KPMG property audit. Currently awaiting draft audit results.
- o Continued the relocation of three self-contained Mobile Offices used at PFP to support 100K future D&D activities.
- o Continued working with PTS to execute the roof replacement for MO743, a landlord facility.
- o Working RL request to accelerate the decommissioning of the 242A evaporator basin (207A Decommissioning Project). Currently, the 207A basin resides in the property system under WRPS. To meet the projected time line, a transfer documentation has been generated for transfer of the basin to meet the anticipated schedule. The document is at RL for signature.
- o Continued with the re-aligning asset responsibilities and assignments as a result of the split in the DWF&RS organization to K Basin Operations & Plateau Remediation (KBO&PR) and Waste & Fuel Management Project (W&FMP).
- o Assisted W&FMP with additional space requirement on facilities at B-Plant for the storage of CESTR capsules and contractor office space.
- o Kicked off FY2015 occupancy statistics for CHPRC EMS goal validation.

• Finance

- o Continued to support KPMG requests for data related to the ongoing FY2011-FY2013 incurred cost audits.
- o July month end completed with no suspensions.

• Human Resources (HR)

- o Human Resources launched the required Preventing Discrimination and Harassment computer-based training to all employees.

- **Labor Relations**

- o The following were scheduled for arbitration during this reporting period:
 - Grievance PRC-014-108 (D&D New Hires) was rescheduled from mid-December 2015 to late September 2015 to allow for scheduling of the PFP D&D arbitration in its place mid-December.
 - Grievance PRC-014-121 (RCTs working back shift at ETF) was scheduled for February 2016.
 - Grievances PRC-014-096 (Steam lines) was scheduled for March 2016.

- **Procurement**

- o Awarded/amended 79 contracts with a total value of \$12.8 million. Additionally, awarded 192 new material purchase orders valued at \$989K to support ongoing project objectives.
- o At the end of the first 82 months of the PRC, procurement volume has been significant; \$2.24 billion in contract activity has been recorded with approximately 51.4 percent, or \$1.15 billion, in awards to small businesses. This includes 6,930 contract releases, 19,272 Purchase Orders, and 227,285 P-Card transactions.
- o Contract 53920-8 was awarded to Hiline Engineering & Fabrication Inc. on July 1, 2015. This contract is a firm fixed price contract for the fabrication of safety control panels, junction boxes, and miscellaneous instrumentation. The value of this contract is \$397,545.25.
- o Contract 48772-15 was awarded on July 14, 2015, to Stillwater for the installation of one borehole with optional well completion in the 200-WA-1 OU. It is a firm fixed price type contract in the amount of \$27,900 for the base scope.
- o Contract 36538-084 was awarded to Watts Construction on July 20, 2015. This contract is firm fixed price for the Infiltration System Installation in the 300-FF-5 Operable Unit scope of work associated with the 300 Area Attenuation Project. The value of this contract is \$323,200.00.
- o Contract 57643 was awarded to Two Rivers Terminal on July 23, 2015. This contract is fixed unit rate for the Chemicals for the 300 Area Attenuation scope of work. The value of this contract is \$1,775,800.00 (Base: \$476,800.00; Option: \$1,299,000.00).
- o Contract 57658 was awarded to Environmental Assessment Services on July 23, 2015. This contract is firm fixed price for the River Pump Installation scope of work associated with the 300 Area Attenuation Project. The value of this contract is \$21,916.00.
- o Contract 44438-034 was awarded to DGR-Grant Construction on July 23, 2015. This contract is firm fixed price for the Building 6267 Interior Renovations scope of work. The value of this contract is \$227,998.00.
- o On July 27, 2015, awarded Master Contract 58701 to Energy Northwest for “MT&E Calibration Services for CHPRC.”
- o Awarded two additional Professional Support Services Basic Ordering Agreements to Roost Industries, a HubZone company and Babcock Services, Inc., a small business.
- o On July 7, 2015, issued a Limited Notice to Proceed for \$700,000 to Babcock Services Inc. to begin work on four tasks.

Prime Contract and Project Integration (PC&PI)

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

- o In July, CC&CM received and processed four contract modifications (numbers 407, 418, 421-422) from RL.
- o The Correspondence Review Team received and determined the distribution for 63 incoming letters/documents. The Prime Contract Compliance Manager reviewed 45 outgoing correspondence packages.
- o Worked with the RL CO on CLIN 7 removal strategy reconciling CLIN 7 against unprocessed contractor changes/claims and errors in transfers to CLIN 7, and a new scope movement process

with the intent to incorporate a modification to the contract that offsets a number of outstanding change orders/REAs.

- o Prepared a streamlined version of the STP time impact delays white paper with backup documentation and provided to RL CO.
- o Prepared a formal request for fee consideration for self-performance of WSCF analytical work and provided to RL CO. Coordinated with RL and CHPRC S&GRP staff for discussion of necessary Change Orders for 100-BC-5 and 100-KR-4 RI/FS Re-writes, and 200-IS-1 impacts.
- o Continued to work with RL on revisions to the FY2016 Performance Evaluation and Measurement Plan (PEMP), which has been submitted to DOE Headquarters for review.

Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Change Proposals submitted after the due date	Request for Equitable Adjustments submitted	Supplemental Information submitted/ Tina Sweep	Change Proposals Definitized on or ahead of 180-day metric	Change Proposals Definitized after 180-day metric	Other Proposals/ REAs Definitized
10	0	0	2	0	0	0

- o Estimating & Program Support (ESS) provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP):
 - Completed updates to WBS Dictionaries and Basis of Estimate documents in support of changes that were incorporated to the Demolition Capital Asset Project work breakdown structure in response to comments received during the EM-53 / RL review.
 - Sludge Treatment Project (STP):
 - Briefed the RL STP Project Manager on the TINA review information that was submitted to the RL CO, and responded to questions related to the FY2013 Sequestration Impact Request for Equitable Adjustment (REA), on July 16, 2015.
 - Completed a restructuring of the STP Capital Asset Project work breakdown structure, including the mapping of estimate basis information to newly created control accounts and activities. The estimating effort continued and included several in process reviews and preliminary integration of the estimate data to the schedule (P6) and pricing (COBRA) tools. Adjusted the review date to August 18, 2015 for a CHPRC/RL combined PRB.
 - Waste and Fuels Management – these proposals supported RL-0013:
 - Submitted change proposals in response to the below listed COs on the dates indicated:
 - o CO 273 – Accelerate TRU Packaging, on July 1, 2015
 - o CO 274 – CWC NDA Box Campaign, on July 7, 2015
 - o CO 275 – Enhanced RCRA Compliance, July 1, 2015
 - o CO 276 – Additional WESF Occupancy, July 29, 2015
 - o CO 277 – Procure Super 7A Trailer, July 22, 2015
 - o CO 278 – Procure DOT Type 7A Large Shipping Container, July 8, 2015
 - o CO 279 – SWITS Bar Code Reader, July 22, 2015
 - o CO 280 – Central Waste Complex Emergency Lighting, July 8, 2015
 - o CO 282 – Procure / Place Cover on Burial Ground CA / HCAs, July 30, 2015
 - Submitted updated pricing for CO 275 – Enhanced RCRA Compliance, reflecting results of TINA review, on July 30, 2015.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Submitted a proposal in response to CO 272, Design, Procure, Test Portable Treatment Skid, on July 27, 2015.

- Submitted a revised price for CO 266 – 100-BP-5 Operable Unit Construction and Operation and Maintenance of Transfer Pipelines, reflecting the results of a TINA review and receipt of subcontract pricing from the performing vendor, on July 9, 2015.
 - Project Technical Services:
 - Provided an evaluation of a vendor’s response to proposal for building modifications at the CHPRC Sample Management facility on July 15, 2015.
- **Earned Value Management System (EVMS) Compliance and Reporting**
 - o Supported efforts associated with the development of the implementation of the Capital Asset Project (CAP) within the Sludge Treatment Project (STP).
 - o Submitted to RL the Annual Performance Measurement Baseline (PMB) update, which is a contract deliverable. During the month of August CHPRC will work with RL to incorporate any comments to the PMB, then reissue by September 14, 2015.
 - o Continued efforts to increase EVMS awareness and effective variance analysis reporting by providing enhanced variance analysis training to CHPRC Project Manager, CAM’s, and Project Controls personnel. This initiative also included bringing in an independent SME in the month of July to mentor CAM’s on the preparation of Variance Analysis Reports (VAR).
 - o PRC-STD-TQ-52996, Earned Value Management Training Program Description, went into effect July 7, 2015. This document establishes reading, training, and qualification requirements for all CHPRC personnel involved in the implementation of EVM.
- **Strategic Planning and Integration**
 - o **Interface Management**
 - o Interfaces (Technical, Administrative and Regulatory):
 - Continue support of 207A South Retention Basin planning for D&D of the basin. Coordination with WRPS is required. Weekly status meeting was set up to integrate project schedules and competing priorities.
 - Facilitating CHPRC response to MSA regarding Unsecure Core Construction Repairs/Corrections. Provided input to a draft response letter.
 - Received SLA data call from ATL. Response requested by August 27, 2015.
 - o Annual Forecast of Services:
 - Status of FY2015 UBS being communicated to MSA as appropriate.
 - Developing final FY2016 annual usage based services forecast. Continue to work with projects and MSA to coordinate staffing highs/lows (Fleet, Motor Carrier and Crane & Rigging) for FY2016 planned scope.
 - o Inter-Contractor Issue Resolution:
 - Attend weekly field interface and resource allocation meetings.
 - Participate in regular Interface Management leadership meetings with MSA and WRPS.
 - Participated in the monthly Contractor Interface Board meeting with MSA and WRPS.
 - Continue working with Hanford Fire Department, CHPRC Projects (SWOC/PFP), and CHPRC Work Control to improve communications, and streamline planning/corrective maintenance items.
 - Attended the bi-monthly Joint Contractor Space Utilization meeting with MSA and WRPS.
 - Continue facilitating discussions between WRPS and CHPRC regarding review of the WIDS work for others SOW.
 - Working with WRPS and MSA to define USQ process for procedures directing OHC work in Contractor radiological facilities. Providing input to an AIA with Hanford Patrol, to address USQ on a particular subset of MSA/Patrol work inside the boundary of a CHPRC radiological facility.
 - o Controlling and Service Agreements:

- TOC-AIA-PRC-00031 Revision 1, Operations Interface for Activities within or Adjacent to Nuclear Facilities, in review process.
- In process items: Water ICD, and ERDF Leachate ICD (ERDF ICD on hold awaiting regulatory direction).
- Continued efforts in supporting annual review of the J.3 Service Delivery Documents.
- Continue working with WESF personnel to develop an interface agreement with MSA utility providers involved with WESF and other CHPRC facilities.
- Published PRC-AIA-OHC-02972 for support the 207A South Retention Basin D&D project.
- Published revision to HNF-40686, Revision 4 *AIA for Integrated Biological Control Program Services*.
- o Internal Operations:
 - Working CRRS item CR-2015-0924 addressing efficient communications between Hanford Fire Department and CHPRC facility work management representatives.
 - Continued routine discussions with CHPRC equipment calibration lead regarding performance issues of the subcontractor providing calibrations services.
- **Information Management**
 - o The Respiratory Protection Equipment Tracking (RPET) automated system was implemented for production use at PFP on Monday, July 20, 2015. The system automates the check-out and check-in of RPE using barcode scanning. Additionally, the new system uses an Integrated Document Management System (IDMS) interface to capture electronic records that eliminate the manual handwritten forms and collection of data.
 - o Provided IT, event logistics, and facilitation support to EZAC, President’s Zero Accident Council (PZAC), and Leadership Impact Initiative training.
 - o Provided information clearance and release support for 100K, S&GRP, DWF&RS, SHS&Q and PTS documents.
 - o Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
 - o Continued additional support has been placed at the MO-287 Records Processing Center to meet increased demands and planned upcoming PFP records retrieval.
 - o Processed 25,516 Electronic Records into the IDMS.
- **Performance Analysis and Risk Management Integration (PARMI)**
 - o The Plutonium Finishing Plant Demolition Plan, CHPRC-02582, was published on July, 27. The demolition plan summarizes the actions by the CHPRC to demolish the PFP Complex safely and efficiently.
 - o In June, the Productivity Tracking Log (PTL) was rolled out and is now available for data input by the Projects. Project continued entry of data into the “test” area. Entries into the “live” area are expected to begin in August. Field Presentations and Training continued to be provided.
 - o The second meeting between the Contractor Assurance and Regulatory Reporting, PARMI, and Projects was held in June. The purposes of the Monthly meetings are to review productivity data, to determine if trends exist across the CHPRC, and to provide recommended actions related to Corrective Actions.
 - o Progress continues to be made towards completion of the Productivity Corrective Actions. Completed 12 of 24 actions (50 percent).
 - o Progress continues to be made in the development of the Variance Analysis Tool and integration of Field Execution Schedule data into the PTL.
 - o PARMI staff facilitated a CH Corporate Integrated Cost and Schedule review of the STP Capital Asset during June. The Final Report was delivered on July 22; recommendations are being evaluated.

- o PARMI Risk Management staff provided Risk Analysis for the STP Capital Asset Project, and numerous BCRs.
- o Several Risk Management and Project Management documents were drafted in June and entered into the formal procedure review cycle. The CHPRC Risk Management Plan, PRC-MP-PC-40167, was formally transmitted to the RL on July 16; minor comments have been received from the RL that are being corrected by CHPRC Publication Services. Planning was initiated for a Project Review Board (PRB) for the STP Engineered Container Retrieval and Transfer System (ECRTS) Project. The PRB has been scheduled to run from August 10 through August 20.

Project Technical Services (PTS)

• Engineering Services

- Participated in the EFCOG/RL Electrical Safety Subgroup workshop held at the Lawrence Livermore National Laboratory.
- Released revision to Natural Phenomenon Hazard (NPH) procedure to incorporate requirements of DOE O 420.1C.
- Initiated assessment of impacts from proposed revision to DOE-0359, Hanford Site Electrical Safety Program (HSESP).
- Worked on development of an Administrative Interface Agreement between CHPRC, MSA, and WRPS to define welding program responsibilities between contractors.
- Evaluated engineering processes for improvements to support Sludge Treatment Project.
- o Supported WESF Ventilation/Stabilization Project (W130) final design review and assisted with structural evaluation of hot cell.

• Procedures and Training

- o Completed management assessment PTS-2015-MA-11783 on Student Evaluation.
- o In collaboration with the Safety Organization, over 500 individuals completed the “Doing Work Safely” briefing.
- o Implemented new Fire Protection Engineer and Associate Fire Protection Engineer qualifications.

• Operations Program

- o Developed reporting tools for the Projects to communicate current Fire Protection System Maintenance status as indicated by JCS.
- o Supported SGRP to incorporate Geophysical Logging System calibration processes performed by Stoller into the CHPRC calibration program.
- o Conducted review of CONOPS IEP for assessment focus history (Frequency, Assessment Type, Topic Coverage, Issues).
- o Participated in EMI SIG – Conference primarily focused on new DOE Order 151.1D in response to DNFSB recommendation 2014-001.
- o Supported PFP DSA Revision 12 approved.
- o Supported all projects in the development of the FY2016 Drill Program Plans.
- o Reviewed Investigation Report from LANL Arc-Flash Accident; preparing a presentation for S&GRP Tailgate.

• Project Delivery

o S&GRP

- Completed 19 of 19 well realignments and tie-ins at the 100 Area.
- Installed 4.7 miles of DWHPE pipe in support of the BP5 transfer line. (Bonding on the 1st line will be completed mid-August with final line hydro-testing completion scheduled for 8/20).
- Commenced bonding of I-129 iodine lines for wells YJ26, 27 & 28 connecting ETB-1 and the 200W P&T facility

- Commenced CAT testing of the new IX system at the 200W P&T facility.
- UP1 transfer line – Completed the electrical tie in and electrical drop. Remaining work is limited to the final tie in point at the 200W P&T facility.
- o **DWF&RS Projects**
 - Completed the repairs at the 105KW facility roof.
 - Completed the 105KW Annex roof/wall sealing repairs.
 - Issued Contract for the REDOX facility roof recover.
- o **WSCF/CWC Projects**
 - Contractor bids received for the Trench 94 RCD package maintenance.
 - Contract award for the WSCF 6267 refurbishment.
 - Commenced mobilizing for the roof repairs at CWC building 2402W.
- o **PTS Miscellaneous**
 - Continued with the pilot trial of the HLAN wireless system for PTS Field Work supervisors.
- **KW Annex Construction**
 - o Completed concrete placement for exterior HIH chase lid; sono tubes for heat trace rack and west slab under exterior stairs.
 - o Completed concrete placement for the installation of the bollards around the facility.
 - o Completed fire coatings (down to a punch list).
 - o Completed painting of all ME systems.
 - o Completed the installation of the furnishing for the change room. (Lockers/Bench).
 - o Continued insulation of ME system piping.
 - o Continued the installation of the e-chain for the Overhead Crane.
 - o Continued the installation of the lightning protection system.
 - o Continued the installation of the heat trace at the HIH chase.
 - o Continued conduit, wire installation, and insulation resistance and continuity testing.
 - o Continued labeling of EE and ME systems.
 - o Issued 9 out of 10 Construction Acceptance Testing procedures.
 - o Initiated execution of sub-CATs for the Air Systems and IXM system (2 out of 9).
 - o Supported the ICE/EIR development for the STP capitol line item project.
 - o Reviewed the T-Plant construction specification in development of the bid package.
 - o Supported the development of the Construction Aid and Specification for the bid package for the sampling removal and engineered container re-lidding work.

Communications

- o Communications coordinated a tour featuring a strategic planning group representing RL field offices and RL headquarters. The group toured CHPRC facilities including 100K, WESF, CWC, and 200 West Pump-and-Treat.
- o Communications hosted media at the Arc of Tri-Cities Partners ‘n Pals Horseback Riding Day. Media representatives from KNDU, KEPR, and the Tri-City Herald captured photos and videos of the day’s activities. CHPRC employee, Kelly Wooley, was interviewed by the Tri-City Herald and KEPR.
- o Communications assisted RL with an interview Weapons Complex Monitor conducted with Jon Peschong, RL Deputy Assistant Manager for River and Plateau, regarding progress at PFP.

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	3.0%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	(0.0)	-48.6%
General Counsel	0.1	0.1	0.1	0.0	0.0%	(0.0)	-2.9%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-12.9%
Safety, Health, Security and Quality	1.4	1.4	1.2	0.0	0.0%	0.2	11.4%
Environmental Program and Strategic Planning	0.4	0.4	0.4	0.0	0.0%	(0.0)	-3.6%
Business Services	1.8	1.8	1.8	0.0	0.0%	(0.0)	-0.9%
Prime Contract and Project Integration	2.0	2.0	1.7	0.0	0.0%	0.3	13.6%
Project Technical Services	0.7	0.7	0.7	0.0	2.8%	0.0	6.3%
Indirect WBS 000 Total	6.8	6.8	6.4	0.0	0.3%	0.4	5.9%

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: (+\$0.4M/+5.9%)

Variance is primarily attributed to increased direct project support with creating the Performance Analysis and Risk Management Integration (PARMI). In addition, staffing vacancies currently in process of being backfilled.

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	1.4	1.4	1.6	0.0	0.0%	(0.2)	-16.0%	1.7
Internal Audit	0.5	0.5	1.0	0.0	0.0%	(0.4)	-78.1%	0.7
General Counsel	1.0	1.0	0.9	0.0	0.0%	0.1	9.5%	1.2
Communications	0.8	0.8	1.0	0.0	0.0%	(0.1)	-17.0%	1.0
Safety, Health, Security and Quality	11.0	11.0	9.9	(0.0)	-0.0%	1.1	9.7%	13.6
Environmental Program and Strategic Planning	3.5	3.5	3.4	0.0	0.0%	0.1	2.8%	4.3
Business Services	15.2	15.2	15.7	0.0	0.0%	(0.6)	-3.8%	18.7
Prime Contract and Project Integration	16.6	16.6	15.3	0.0	0.0%	1.3	7.9%	20.4
Project Technical Services	5.9	5.9	6.0	0.0	2.8%	0.0	6.3%	7.3
Indirect WBS 000 Total	55.9	56.0	54.8	0.0	0.0%	1.2	2.1%	68.9

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

Variance is within reporting thresholds.

FYTD Cost Performance: (+\$1.2M/+2.1%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-15-048R0 – HPIC Updates – July 2015

FY2015 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY 2015					
	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY 2015 BCWS	FY 2015 Forecast	FY 2015 Variance (O)/U
General & Administrative (G&A)	55.9	54.8	1.2	68.9	68.2	0.7
Office of the President	1.4	1.6	(0.2)	1.7	2.1	(0.3)
Internal Audit	0.5	1.0	(0.4)	0.7	1.2	(0.5)
General Counsel	1.0	0.9	0.1	1.2	1.2	(0.0)
Communications	0.8	1.0	(0.1)	1.0	1.3	(0.2)
Safety, Health, Security and Quality	11.0	9.9	1.1	13.6	12.2	1.4
Env. Program & Strategic Planning	3.5	3.4	0.1	4.3	4.3	0.0
Business Services	15.2	15.7	(0.6)	18.7	19.4	(0.7)
Prime Contract and Project Integration	16.6	15.3	1.3	20.4	19.2	1.3
Project Technical Services	5.9	6.0	(0.0)	7.3	7.4	(0.1)

	FYTD	FY 2015
G&A Distribution	(54.4)	(71.2)
G&A Liquidation (Over)/Under	0.4	(3.0)

Liquidation Analysis

- Fiscal year to date through July, application of the G&A rate has under-liquidated total to date G&A costs by \$0.4 million. The FY2015 year-end projected over-liquidation of \$3.0 million reflected in the fiscal year spend forecast reflects a significant projected increase in the G&A Base.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement, under-liquidations would be distributed to users at a minimum, when the combined projected year end under liquidation is equal to or greater than \$4 million. Over-liquidations would be distributed to users at a minimum, when the combined projected year end over-liquidation is equal to or greater than \$6 million. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year-end.

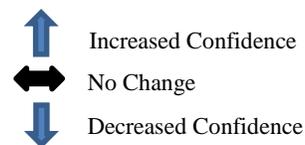
MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

- Opportunity currently realized, or 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 currently realized, or risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments			
		Month	Trend				
Executive Level Risks							
Explanation of major changes to the project monthly stoplight chart: No major changes to the risk profile for the month of July.							
Realized Risks (Risks that are currently impacting project cost/schedule)							
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat. Risk Handling Strategy: Avoid Probability: Likely (75% to 90%) Worst Case Impacts: \$5M, 40 days			Risk Event: CHPRC continues to experience higher than anticipated attrition for FY2015.			
				Risk recovery action(s)	Risk Date	FC Date	%
				Implement salary increase fund	FY2015	Complete	100
				Proposed PFP incentive program		Complete	100
				Draft retention and recruiting plan investment for FY2015.		09/15/15	35
Develop/implement CHPRC People Legacy Program.	On-Going	N/A					
Recovery Action Assessment: No changes in the month of July. 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 July.							
High Risk Threat Value (Recoverable slip to enforceable or incentivized milestone)							
No high threat value risks identified in the month of July.							
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.