

# Monthly Performance Report

June 2014

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

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

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

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**APPROVED**

*By Lee Ann Snyder at 2:51 pm, Jul 24, 2014*

Release Approval

Date

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**J. C. Fulton**  
**President and Chief**  
**Executive Officer**

# Monthly Performance Report

U.S. Department of Energy Contract,  
DE-AC06-08RL14788  
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**June 2014**  
CHPRC-2014-06, Rev. 0

## CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	4
KEY ACCOMPLISHMENTS .....	6
MAJOR ISSUES.....	6
EARNED VALUE MANAGEMENT .....	6
FUNDING ANALYSIS .....	7
BASELINE CHANGE REQUESTS .....	8
SELF-PERFORMED WORK.....	11
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	11

### PROJECT BASELINE SUMMARY SECTIONS

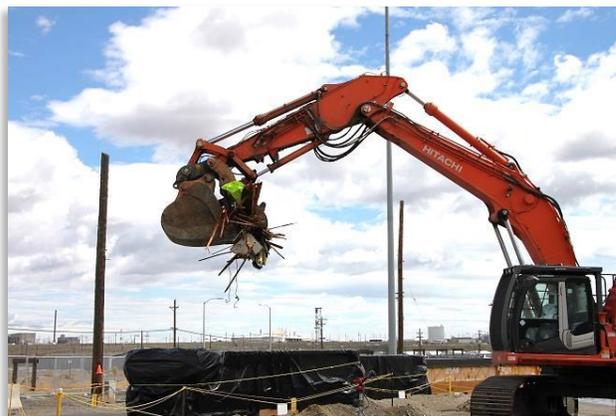
Section A – Nuclear Materials Stabilization and Disposition of PFP (RL-0011).....	A
Section B – Spent Nuclear Fuel Stabilization and Disposition (RL-0012) .....	B
Section C – Solid Waste Stabilization and Disposition (RL-0013) .....	C
Section D – Soil and Groundwater Remediation Project (RL-0030) .....	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

- The Plutonium Finishing Plant (PFP) Closure Project achieved its key performance goal to remove 25 pencil tank units from the Plutonium Reclamation Facility. Removing all 196 of these highly contaminated tank units is a key step forward in preparing the overall PFP complex for demolition in 2016. Overall deactivation of PFP is approximately 71 percent complete. Outside, crews began preparing a demolition zone around the complex, with the removal of six office trailers and the start of demolition on two buildings.



**Demolition of structures at the Plutonium Finishing Plant**

- The Soil & Groundwater Remediation Project (S&GRP) achieved its key performance goal to remove 250 kilograms of hexavalent chromium. Achieving this goal is part of CHPRC's ongoing efforts to treat contaminated groundwater to reduce contamination plumes and protect the Columbia River.

- The Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) and Project Technical Services (PTS) teams continued work on the KW Annex that will support the Sludge Treatment Project in the removal of highly radioactive sludge from the K West Reactor Fuel Storage Basin. In June, progress included concrete placement, priming, and steel construction.



**Construction on the 100KW Annex for the Sludge Treatment Project**

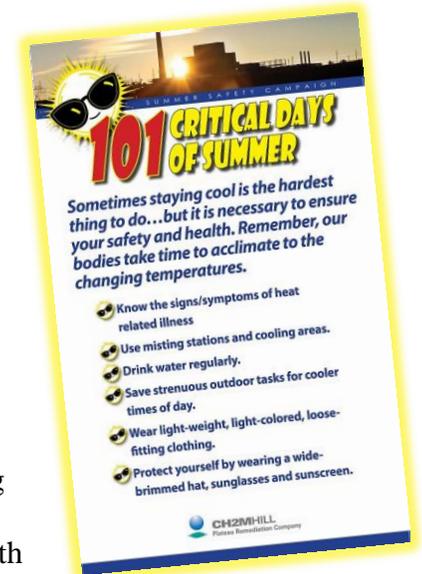
- The DWF&RS team completed asbestos abatement at PUREX Tank 11. The project loaded out over 300 bags of asbestos-containing material into containers for disposal at the Environmental Restoration Disposal Facility.
- CHPRC has welcomed nearly 30 interns to its projects and organizations for summer internships to provide structured on-the-job learning. Students gain valuable experience in their chosen field and develop technical and professional talent under the direction of a mentor. Interns develop hands-on technical skills, learn about current projects and network with the technical community.
- CHPRC announced that the current President and Chief Executive Officer John Fulton will retire at the end of the fiscal year. Effective October 1, 2014, current Chief Operating Officer John Ciucci will assume the role of CHPRC President and CEO.

## Focus on Safety

- The June 2014 President's Zero Accident Council (PZAC) meeting was hosted by the Plutonium Finishing Plant (PFP) Project. The three main themes for the meeting were:
  - o Heat Stress
  - o Worker Involvement
  - o Signs – Stop, Touch, Read

After the audience was warmed up with Stretch and Flex, a presentation on Heat Stress explained the factors, symptoms, treatment and prevention methods for heat-related illnesses. The crowd really got fired up over the next presentation on Worker Involvement. The PFP Project proudly demonstrated the power, value and effectiveness of involving employees in the beginning stages of work planning – truly, the principles of Integrated Safety Management System (ISMS) and Voluntary Protection Program (VPP) at their finest. More than a year ago, CHPRC employees visited a cleanup site in Idaho to see special suits and respirators in use when working in highly contaminated facilities. The technology keeps employees cooler, offers better protection and improves communication. Those employees, with the support of the PFP leadership team, decided to bring that equipment to Hanford. Now, they are working on training on the equipment (which has never been used before at Hanford) before PFP crews begin entering the McCluskey Room, one of the most hazardous buildings on site. A presentation on signs burned into the memory a simple technique to help reduce incidents where employees bypass integral hazard identification postings: each time you approached a sign, remember “Stop, Touch and Read” so appropriate time and attention is given to understand and follow requirements to ensure you are prepared to pass. The meeting was completed with additional updates on EMS, VPP, safety performance and Good News Stories.

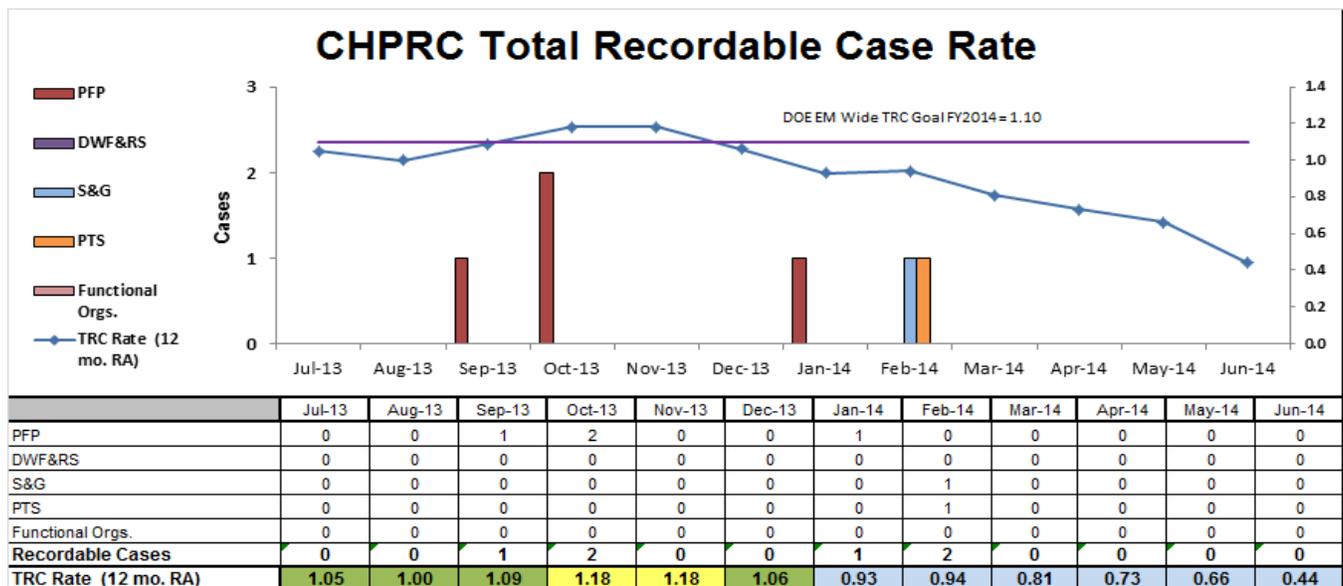
- Five “Thinking Target Zero” (TTZ) bulletins were published in June to convey important occupational safety, health and environmental messages:
  - o UV Safety
  - o VPP – The Next Step
  - o Fall Prevention
  - o EMS Compliance
  - o Fireworks Safety
- *Weekly Safety Tailgate* briefing packages in June communicated relevant topics and safety information to the workforce:
  - o National Safety Month Topic 1: Preventing Prescription Drug Abuse
  - o National Safety Month Topic 2: Stop Slips, Trips and Falls
  - o National Safety Month Topic 3: Be Aware of Your Surroundings
  - o National Safety Month Topic 4: Put an End to Distracted Driving
  - o National Safety Month Bonus Topic :Summer Safety Summer Travel
  - o Portable Ladders Defined
  - o Heat Stress Prevention
  - o Chemical Management Procedure Update
  - o Employee Job Task Analysis (EJTA) Records
  - o Microwave Oven Safety



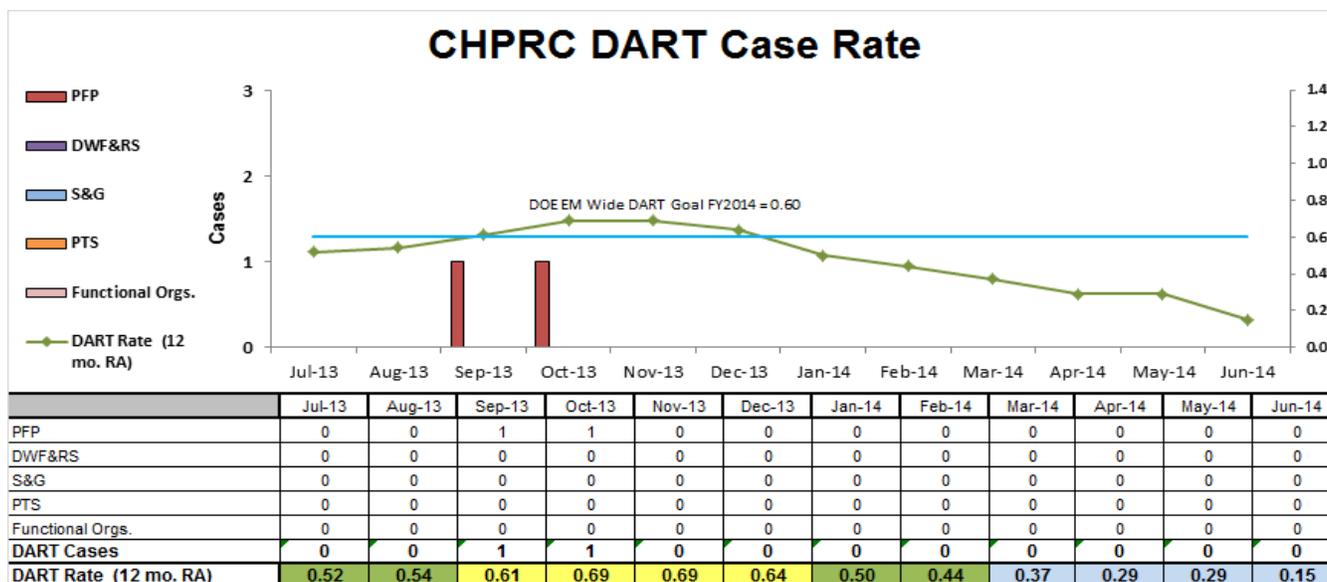
- o Excavation Hazard Control
- o EJTA Disclaimer
- o “What Would You Do?” Ethics Awareness messages
- o Injury/Illness Summaries and the TTZ of the week
- June CHPRC Weekly Updates included a message from Mark Cherry, Acting Vice President of the Soil & Groundwater Remediation Project, summarizing the annual Region X Voluntary Protection Program Participants Association Conference and highlighting safety accomplishments of the CHPRC workforce. A Weekly Update from Mike Swartz, Vice President of the PFP Project, celebrated the safe and compliant progress toward demolition of PFP facilities, underscoring 148 days of related work without a recordable injury. Further, the message shared the improved employee safety initiative for cleanup of the McCluskey room due to outstanding worker involvement.

## TARGET ZERO PERFORMANCE June 2014

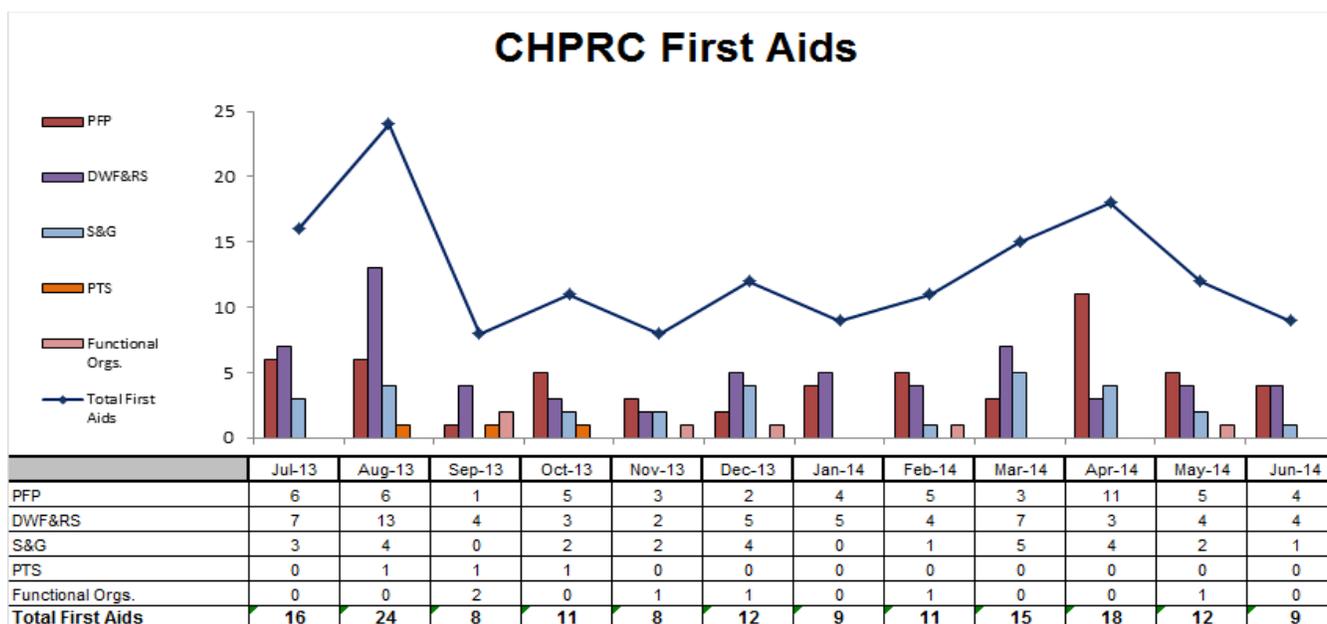
CHPRC continued focusing on integrating safety programs in all program and project areas.



**Total Recordable Injury Case (TRC) Rate** – The 12 month rolling average TRC rate of 0.44 is based on a total of six Recordable injuries (four Recordables and two DART cases). There were no Recordable cases in June. One case from December 2012 was updated to Recordable resulting in changes to rates prior to December 2013. One case is being evaluated/investigated for potential recordability. As of June, CHPRC has worked in excess of 1 million hours without a Recordable case.



**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12 month rolling average DART rate of 0.15 is based upon a total of two Days Away cases. There were no DART cases in June 2014. As of June, CHPRC has worked in excess of 1.93 million hours without a DART case.



**First Aid Case Summary** – CHPRC reported nine first-aid cases in June 2014; of these nine cases, seven cases required no treatment. There were no self-treated injuries. The contributors were three Sprains / Strains / Pains, three insect bites / stings and three miscellaneous injuries (two ringing ears and one minor low voltage contact).

## KEY ACCOMPLISHMENTS

### Projects

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

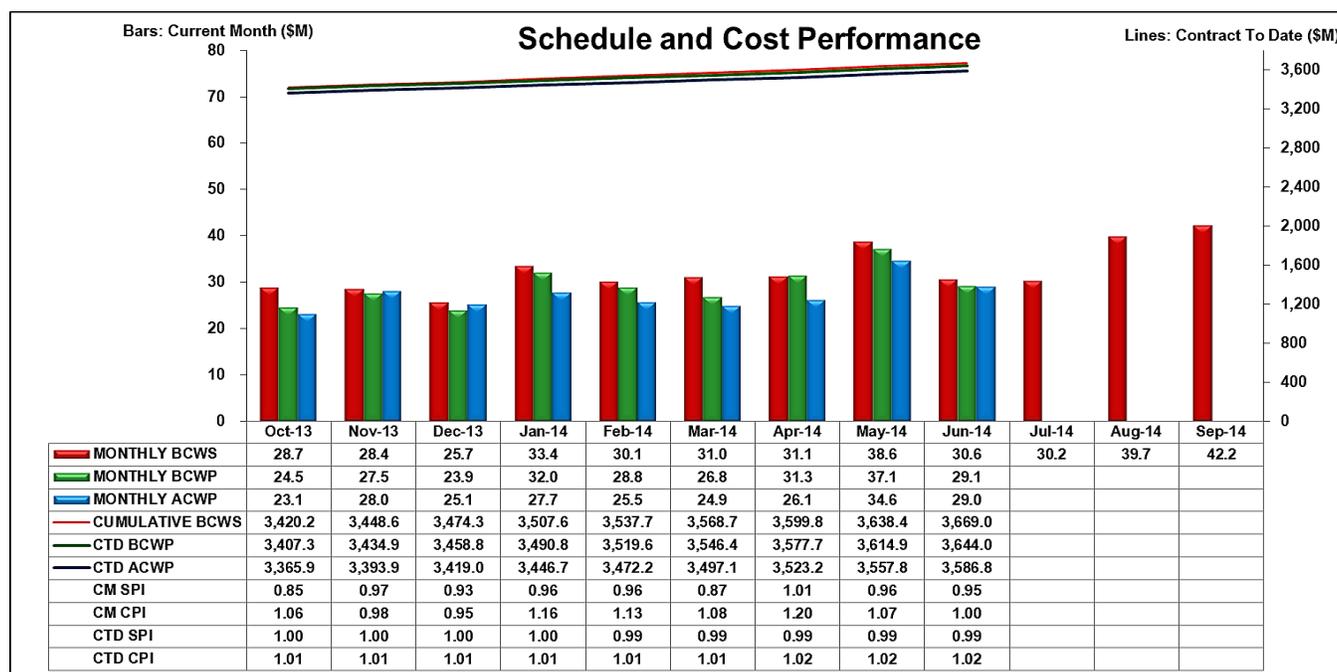
### Project Services and Support

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

## MAJOR ISSUES

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

## EARNED VALUE MANAGEMENT



	\$M						\$M					\$M			
	Current Period						Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance			Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance		
RL-0011 - Nuclear Materials Stab & Disp PFP	7.9	5.6	7.0	(2.3)	(1.5)	701.2	673.8	709.2	(27.5)	(35.5)	935.4	965.7	(30.3)		
RL-0012 - SNF Stabilization & Disposition	4.3	5.7	6.9	1.4	(1.2)	422.8	424.0	434.3	1.3	(10.3)	692.6	708.8	(16.2)		
RL-0013 - Solid Waste Stab & Disposition	6.8	6.6	5.8	(0.2)	0.9	854.3	854.7	824.2	0.4	30.5	1,342.0	1,271.9	70.1		
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.6	9.2	8.0	(0.4)	1.2	979.9	981.4	968.1	1.5	13.3	1,510.9	1,478.3	32.6		
RL-0040 - Nuc Fac D&D - Remainder	1.0	1.1	0.9	0.1	0.1	385.3	384.7	354.5	(0.6)	30.2	491.9	459.8	32.2		
RL-0041 - Nuc Fac D&D - RC Closure Project	0.7	0.8	0.3	0.1	0.5	307.8	307.9	281.7	0.1	26.2	393.6	368.3	25.3		
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.1	0.1	(0.0)	0.1	17.6	17.6	14.8	(0.0)	2.7	26.5	24.2	2.4		
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>30.6</b>	<b>29.1</b>	<b>29.0</b>	<b>(1.4)</b>	<b>0.1</b>	<b>3,669.0</b>	<b>3,644.0</b>	<b>3,586.8</b>	<b>(25.0)</b>	<b>57.2</b>	<b>5,392.9</b>	<b>5,276.8</b>	<b>116.1</b>	

### Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$116.1M with \$81.9M of Management Reserve for a total positive variance of \$198M.

- For June, the project was 4.7% behind schedule and 0.5% under planned cost. For FY2014, the project is 5.9% behind schedule and 6.6% under planned cost. Schedule performance in June was in within reporting thresholds. Overall cost performance in June was primarily attributed to realization of planned efficiencies in multiple projects.

## FUNDING ANALYSIS

### FY2014 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2014		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	106.8	103.0	3.8
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	72.2	69.3	2.9
RL-0013	Waste and Fuels Management Project	83.8	79.8	4.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	121.5	112.2	9.3
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.2	12.4	0.8
RL-0041	Nuclear Facility D&D, River Corridor	10.1	5.8	4.2
RL-0042	Fast Flux Test Facility Closure	2.3	1.7	0.6
<b>Total Base:</b>		<b>409.9</b>	<b>384.3</b>	<b>25.6</b>

### Funds/Variance Analysis:

FY2014 Projected Funding was reduced \$75K in PBS RL-0011 for ATL support, reducing the overall expected funding in June from \$410.0M to \$409.9M.

## BASELINE CHANGE REQUESTS

In June 2014, CHPRC approved and implemented ten (10) BCRs. The change requests are identified in the table below:

Change Request #	Title	Summary of Change
<b>Implemented into the Earned Value Management System for June 2014</b>		
BCR-011-14-004R0	<i>FY2015 Base Year Shift Adjustment</i>	This BCR corrects rounding errors in the Base Year Shift in support of the FY 2015 Annual PMB update that was implemented by BCR-PRC-14-011R0, <i>Base Year Shift in Support of FY2015 Annual PMB Update</i> , in April 2014. This BCR implements a total adjustment of \$.3K for FY15-FY17 that impacts 011.02.C2.01- C-Maintain Safe & Compliant PFP, 011.02.C2.02-C-PFP Maintenance, and 011.05.C2.11-C-Decontaminate & Decommission Project. This BCR increased the value of PMB by \$.3K.
BCR-011-14-005R0	<i>Schedule Logic Correction</i>	This BCR corrects logic ties on the two milestones: <ul style="list-style-type: none"> <li>• 11.05.01.01.00360M – NDA Teams Ready To Work</li> <li>• 11.05.C2.03.1462AM – Column Glovebox Team</li> </ul> The end date of the project remains the same. This BCR did not change the value of the PMB.
BCR-012-14-004R0	<i>In-basin Construction and T Plant Modification WBS Revision</i>	This BCR modifies the existing WBS for both projects from a single WBS element and CACN for each project into multiple WBS elements and CACNs to allow for the discrete segregation of existing work scope and the capturing of costs to enable improved management, cost control, analysis, and reporting. There are no changes to scope or schedule other than the WBS structure changes. This BCR did not change the value of the PMB.
BCR-013-14-013R0	<i>Definitization of CO #236, RTS Transfer to WCH</i>	This BCR implements RL direction provided by letter number 1402039A, which included Contract Modification (CM) #337, 310 Retention Transfer System Transition to Washington Closure Hanford, Definitization of Change Order (CO) #236. This change decreased the PMB by \$900K.
BCR-013-14-014R0	<i>CO #188, IDF Performance Assessment</i>	This BCR adds work scope to the PMB associated with CO #188, IDF Performance Assessment Revision, as directed by RL on March 27, 2014, letter number 1301899A.1 This scope includes initiation of analysis/evaluation efforts that will lead into clarification of the scoping approach and document analysis. This change increased the PMB by \$291K.
BCR-030-14-015R0	<i>CO #255, Installation of AWLN in 100-KR-4 and 100-HR-3 OU</i>	This BCR incorporates scope associated with CO #255, Install, Operate and Maintain an Automated Water Level Network (AWLN) in 100-KR-4 (20 units) and 100-HR-3 (15 units), authorized by CM 334. This BCR increased the PMB by \$240K.
BCR-030-14-016R0	<i>Transfer 300 Area Treatment from CLIN 7 &amp; Replanning</i>	This BCR modifies the PMB to align with the recently issued 300 Area Record of Decision (ROD) (0087180). Uranium Treatment scope was moved from CLIN 7 to the PMB and modified consistent with the selected remedies for the 300-FF-5 Operable Unit. This BCR also moves scope to CLIN 7 to maintain Contract/PMB alignment. RL concurrence with these changes is documented in an email via document number 1400985. This BCR decreased the PMB by \$3,440K.

Change Request #	Title	Summary of Change
BCR-030-14-017R0	<i>FLEDGE II Software &amp; Cost Estimating System Upgrades</i>	This BCR replans proposed “buy-back” work (RL letter number 1401739) associated with FLEDG II Software and cost estimating tool upgrades to enable performance to be taken on discrete tasks. The affected FY 2015 work scope is currently planned with a level-of-effort earned value technique. This BCR replans the scope into new WBS elements (030.01.06.01.02 and 030.01.08.01.02) with a percent complete earned value technique. This BCR did not change the value of the PMB.
BCR-041-14-002R0	<i>CO #253, Supplementary Characterization of UPR-100-K-1 &amp; 116-KE-3 Waste Sites</i>	This BCR incorporates scope associated with CO #253, Supplementary Characterization for UPR-100-K-1 and 116-KE-3 Waste Sites, as authorized by CM #324. This BCR increased the PMB by \$469K.
BCR-PRC-14-018R0	<i>Modify Activity IDs</i>	This BCR modifies 14 P6 activity IDs to facilitate improved processing time in Cobra. This change in activity IDs does not change the value of the schedule or schedule durations and did not change the value of the PMB.

Overall, the contract Performance Measurement Baseline budget decreased \$3,340K.

#### Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-013-14-013R0	<i>Definitization of CO #236, RTS Transfer to WCH</i>	2014 - 2018	\$324K
BCR-030-14-016R0	<i>Transfer 300 Area Treatment from CLIN 7 &amp; Replanning</i>	2014 - 2018	\$3,440K

Management Reserve increased by a total of \$3,764K during June.

#### Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-013-14-013R0	<i>Definitization of CO #236, RTS Transfer to WCH</i>	2014 - 2018	-\$27K

Fee decreased \$27K during June.

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):

**June 2014 Summary of Changes**

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
<b>May 2014 Estimate</b>									
PMB	3,391,477	389,148	434,727	430,276	373,206	377,396	2,004,753	5,396,230	5,396,230
MR	0	1,952	7,250	21,000	21,000	26,885	78,087	78,087	78,087
Fee	155,504	14,325	13,480	19,800	8,800	16,600	73,005	228,509	228,509
<b>Total</b>	<b>3,546,981</b>	<b>405,425</b>	<b>455,458</b>	<b>471,076</b>	<b>403,006</b>	<b>420,881</b>	<b>2,155,846</b>	<b>5,702,827</b>	<b>5,702,827</b>
<b>June 2014 Change</b>									
<b>PMB</b>									
<b>Change to PMB</b>	<b>0</b>	<b>1,608</b>	<b>3,741</b>	<b>512</b>	<b>-2,444</b>	<b>-6,757</b>	<b>-3,340</b>	<b>-3,340</b>	<b>-3,340</b>
<b>MR</b>									
<b>Change to MR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,764</b>	<b>3,764</b>	<b>3,764</b>	<b>3,764</b>
<b>Fee</b>									
<b>Change to Fee</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-27</b>	<b>-27</b>	<b>-27</b>	<b>-27</b>
<b>Total Change</b>	<b>0</b>	<b>1,608</b>	<b>3,741</b>	<b>512</b>	<b>-2,444</b>	<b>-3,019</b>	<b>398</b>	<b>398</b>	<b>398</b>
<b>June 2014 Estimate</b>									
PMB	3,391,477	390,756	438,469	430,788	370,762	370,639	2,001,414	5,392,891	5,392,891
MR	0	1,952	7,250	21,000	21,000	30,649	81,852	81,852	81,852
Fee	155,504	14,325	13,480	19,800	8,800	16,573	72,978	228,482	228,482
<b>Total</b>	<b>3,546,981</b>	<b>407,033</b>	<b>459,199</b>	<b>471,588</b>	<b>400,561</b>	<b>417,862</b>	<b>2,156,244</b>	<b>5,703,224</b>	<b>5,703,224</b>

**Changes to/Utilization of Management Reserve in June 2014**

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
<b>May 2014 MR Totals</b>								
RL-0011	0	52	3,000	8,000	8,000	0	19,052	19,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	500	500	2,000	800	6,500	10,300	10,300
RL-0030	0	750	1,000	3,000	2,500	5,388	12,638	12,638
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
<b>Total</b>	<b>0</b>	<b>1,952</b>	<b>7,250</b>	<b>21,000</b>	<b>21,000</b>	<b>26,885</b>	<b>78,087</b>	<b>78,087</b>
<b>June 2014 MR Changes/Utilization</b>								
<b>RL-0011</b>	0	0	0	0	0	0	0	0
<b>RL-0012</b>	0	0	0	0	0	0	0	0
<b>RL-0013</b>	0	0	0	0	0	324	324	324
<b>RL-0030</b>	0	0	0	0	0	3,440	3,440	3,440
<b>RL-0040</b>	0	0	0	0	0	0	0	0
<b>RL-0041</b>	0	0	0	0	0	0	0	0
<b>RL-0042</b>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,764</b>	<b>3,764</b>	<b>3,764</b>
<b>June 2014 MR Totals</b>								
RL-0011	0	52	3,000	8,000	8,000	0	19,052	19,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	500	500	2,000	800	6,824	10,624	10,624
RL-0030	0	750	1,000	3,000	2,500	8,828	16,078	16,078
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
<b>Total</b>	<b>0</b>	<b>1,952</b>	<b>7,250</b>	<b>21,000</b>	<b>21,000</b>	<b>30,650</b>	<b>81,852</b>	<b>81,852</b>

## SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods 10/1/2008 -6/30/2014				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
	\$ Value	%	Goal %	Contract-to-date awards:	\$2,102,173,624
				Bal remaining to award:	\$304,676,936
				Goal award\$	Bal to Goal
SB	\$1,049,243,048	49.91%	49.3%	\$1,186,577,326	\$137,334,278
SDB	\$181,646,024	8.64%	8.2%	\$197,361,746	\$15,715,722
SWOB	\$202,382,902	9.63%	7.5%	\$180,513,792	-\$21,869,110
HUB	\$34,352,006	1.63%	2.2%	\$52,950,712	\$18,598,706
VOSB	\$121,927,276	5.80%	3.5%	\$84,239,770	-\$37,687,506
SDVO	\$57,584,478	2.74%	1.3%	\$31,289,057	-\$26,295,421
NAB	\$30,159,771	1.43%	N/A		
Large	\$564,173,197	26.84%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,166,121	0.10%	N/A		
GOVT CONT	\$482,866,522	22.97%	N/A		
EDUCATION	\$93,046	0.00%	N/A	Total Contract (mod 329):	\$5,696,818,974
NONPROFIT_	\$3,412,330	0.16%	N/A	17% rqmt:	\$968,459,226
FOREIGN	\$219,361	0.01%	N/A	SB actual:	\$1,049,243,048
<b>Total</b>	<b>\$2,102,173,624</b>	<b>100.00%</b>	<b>N/A</b>	<b>Bal to rqmt</b>	<b>-\$80,783,822</b>

### Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.10B in goods and services with over 49.9 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
<b>CONTRACT</b>			
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

June 2014  
CHPRC-2014-06, 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.

In May, the PFP project finished a revision of the field execution schedule to assist the project in better execution to the Performance Measurement Baseline. The PFP Project continues to work with their DOE counterpart to develop agreed upon Metrics and develop a combined dashboard. Partial roll-out of this product is currently forecast to be completed in August.

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	2	206 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed	-	136 pencil tank units
Buildings Ready for Demo	7	39 structures
Buildings Demolished or Removed	5	37 structures
Non-radioactive Waste Shipped	-	42 m <sup>3</sup>
TRU/TRU-M Shipped	17 m <sup>3</sup>	1,374 m <sup>3</sup>
LLW/MLLW Shipped	44 m <sup>3</sup>	4,642 m <sup>3</sup>

Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. During the month of June, HA-7A and HC-4 gloveboxes were removed from E4 ventilation awaiting final disposition. The total gloveboxes removed to date is now at 89 percent complete.

- HA-9A glovebox was separated from E4 ventilation. This was the last glovebox remaining on E4 ventilation in the Remote Mechanical "A" (RMA) line
- HC-18BS and HC-5B were separated from Remote Mechanical "C" (RMC) conveyor line and handed off to PFP Waste Operations (WO) for disposal
- Separated the lower E4 connection from HC-18M
- Completed shipment of 236-Z Pencil Tank 31/28A
- Completed cleanout of 236-Z Second Floor West Gallery Glovebox
- The 2014 Safety Basis Annual Update and USQ summary was transmitted DOE.
- The CHPRC-57206, Criteria Document for the Plutonium Finishing Plant 2014 Safety Basis Annual Update was released.

## EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
14-EMS-PFP-OB2-T1	Establish/verify NESHAP compliance under CERCLA for a major emissions unit	Provide basis for minimum requirements based on lesson learned from the Federal Government shutdown and NESHAP compliance matrix for 291-Z-1 stack under CERCLA	Obtain current DOH inspection check list and determine applicability to 291-Z-1	12/31/13	Completed 12/19/13
			Combine applicable parts of past air license compliance matrix and internal NESHAP inspection checklist	3/31/14	Completed 3/31/14
			Develop a basis for minimum required maintenance activities for 291-Z-1 and incorporate into document from action #2.	7/31/14	Higher Priority Work on development of the PFP RAWP prevented this objective to be met on 6/30/14 as originally planned
			Obtain concurrence from Central EP&SP	9/30/14	On schedule
14-EMS-PFP-OB1-T1	Demonstrate compliance with all asbestos requirements that are pertinent to PFP	Establish a defensible and conservative asbestos compliance program at PFP that will stand up to the scrutiny of federal, state and local regulators	Review & comment on development of the new CHPRC level asbestos Regulatory Analysis Memorandum (CERCLA based).	12/12/13	Completed 12/12/13
			Review & comment on the modification of an existing asbestos characterization plan Desk Instruction (DI)	1/31/14	Completed 2/24/14
			ECO asbestos requirements education and training.	7/31/14	On schedule

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	4	55	<ul style="list-style-type: none"> <li>• 6/3/14 - Employee noticed redness and slight swelling, was taken to HPMC and diagnosed as having an insect bite on his right forearm. Wound care was provided and employee returned to work without restriction (23409)</li> <li>• 6/5/14 - employee reported he felt pain in the wrist, stated it was chronic, was transported to HPMC and returned to work without restrictions (23382)</li> <li>• 6/10/14 – Employee examined and diagnosed as having a non-venomous insect bites. No treatment was given, employee was released to work without restriction (23412)</li> <li>• 6/16/14 - Employee experienced strain opening shield door to the Gamma Spectrometer. Was examined and diagnosed with left shoulder rotator cuff sprain/strain then given non-prescription medication and returned to work without restriction (23413)</li> </ul>
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 11.02 Maintain Safe & Compliant PFP

- Continued efforts in response to initial RL Nuclear Services Division (NSD) comments on the DSA/TSR 291-Z exhaust fan enhanced maintenance plan changes that were submitted in March 2014.
- Transmitted the 2014 safety basis annual update and USQ summary report to RL
- Released CHPRC-57206, Criteria Document for the Plutonium Finishing Plant 2014 Safety Basis Annual Update

### 11.05 Disposition PFP Facility

#### 242-Z

- Began installation of 242-Z Breathing Air Compressor (installed connection between compressor and ZA, installed temporary power)
- Initiated team training for new hires
- Continued development of work packages for Initial Entry into 242-Z

#### RMA

- Separated HA-9A glovebox from E4 ventilation and deactivated the criticality drain

#### RMC

- Performed additional internal cleanout and removed E4 filters from HC-9B
- Separated HC-18BS and HC-5B from RMC conveyor line and handed off to PFP Waste Operations (WO) for disposal

- Separated the lower E4 connection from HC-18M

**Backside Rooms**

- Completed all necessary glovebag activations on HC-46F in preparation for start of glovebox cleanout.

**236-Z Plutonium Reclamation Facility (PRF)**

- Pencil Tanks
  - Completed disposition of Pencil Tank 31/28A
- Gallery Gloveboxes
  - Completed cleanout of Second Floor West Gallery Glovebox

## MAJOR ISSUES

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

The following, not related directly to the exothermic reaction, are general fire concerns:

1. The foam products tested represent a significant fire hazard. Even with the fire retardants added, the foam will be consumed in a fire event. The HAI report recommended that foamed gloveboxes be protected from exposure to fire with non-combustible materials.
2. In addition to the fire hazard, the foam products produce a significant quantity of soot when burned. Will need to re-evaluate the soot loading calculations and incorporate information into the FHA and DSA. This calculation derives the required number of on-line HEPA filter rooms.
3. As a result of the HAI report, RL is recommending that other, non-combustible products be evaluated.

**Corrective Action** – PFP will evaluate HAI recommendations and will also ensure to follow the manufacturer's procedures to safely deploy foam in lifts that are  $\leq 18''$  in rise and allow subsequent cure times between lifts. PFP will also monitor the exothermic reactions during the second mockup demonstration conducted at ERDF. Alternatives analysis will be based on the results and conclusions of the Hazards Analysis. PFP will also evaluate additional alternate foaming agents to reduce the concerns with off gases and exothermic reaction that could cause a self-ignition.

**Status** – During the month of June, a vendor placed two different foams into the PFP mock-up glovebox. Evaluations of the foam the next day indicated a slight shrinkage of the foam inside the mockup. Evaluation and testing at the vendor facility determined the settling could be resolved by utilization of a screw dispersal pump. Another on-site mock-up will be performed to demonstrate satisfactory foam performance in mid-August.

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

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

**Status** – The team for initial training has been assembled and has begun evaluating material form and distribution aspects of accident scenarios, as necessary for developing more accurate and reasonable accident consequences.

- Completed CHPRC-02211, *PFP Strategy to Achieve Slab on Grade*
- Completed DSA Criteria Document – Awaiting DOE concurrence
- Completed Hazard Analysis group meetings to identify hazards associated with demolition
- Started preliminary Accident Analyses

**Issue – PFP Stop Work Issue on work involving the mechanical cutting of piping, tanks, or ducts -** While using a porta-band to size reduce a demister line in a glove bag, employees heard a bang and saw an orange-reddish flame flash out the open end of the pipe. There were no signs of damage to the pipe or to the bag; no indications of airborne radioactivity on area CAMs and post job surveys did not detect any spread of contamination. Work packages which have similar demister pipe removal activities were immediately suspended pending investigation and incorporation of possible corrective actions.

**Corrective Action -** All samples were analyzed by 222S labs and results were consistent with polycube residues and associated decomposition products, as anticipated.

**Status -** The stop work was lifted on June 17, 2014.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Response Plan Effective  
 Response Plan Partially Effective  
 Response Plan Not

 Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
<b>Overarching PFP Risks</b>				
PFP-009: Aging Building Systems/Components Problems Impact Planned D&D Activities	Included life extension upgrades as part of FY-14 Annual Baseline Update and include HEPA filter replacement, replacement of air compressors, and electrical switchgear upgrades. Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.			Teams finished EMP Rev.1 actions and the submittal letter was sent over to DOE by the March 2014 due date. Maintenance activities will continue to be performed to keep the facility in a safe and compliant configuration until such time as the MAR has been removed and the DSA back-out plan has been implemented.
PFP-062: Ability to Use Permafix Northwest for Glovebox Size Reduction	In the event of Perma-Fix Northwest closing PFP is continuing to evaluate the appropriate team sizes to perform size reduction efforts. In addition PFP will continue to work with CWC for long term storage capabilities.			In the event RL delays off-site shipments to PFNW, PFP will ship to CWC using the approved HNF-0063 Exception letter. However the exception only allows a 6 month hold time until CWC would have to ship to PFNW.
<b>PFP-080 – Unforeseen Chemical Hazards</b>	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13, 2013. Investigation completed in the month of March, 2013. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers. Issues Change Order 240, Mitigation of Chemical Lines at PFP was received by CHPRC on October 7, 2013 with a limitation not to exceed \$500K prior to the definitization of the change. A formal change proposal has been developed, formally submitted to RL and discussions are ongoing with RL on the definitization of the change.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations were successful to extend respiratory protection time with the ratification of the Collective Bargaining Agreement effective November 11, 2013. The PFP project has implemented extended dives since implementation of the agreement, and longer stay times in the field are being realized. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning continues with a special project team to implement actions to accomplish the new vision for the D&D path forward.
PFP-083: System Back-Out Plan Implementation Extends Schedule	Identify Back-out Plan implementation activities, durations, logic ties, and resources; and integrate these activities in the project execution schedule. Work activities may be re-sequenced to minimize impacts to the critical path schedule. Where needed, utilize subcontractors with credibility and experience for analysis and document preparation support. Work closely with DOE-RL and Regulators to identify review points to streamline approval process and reduce approval turnaround durations.			Finalization of the back-out planning efforts have been completed and incorporated into the field execution schedule to assist the project in better execution to the Performance Measurement Baseline.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
PFP-086: Alternate/Temporary System Capabilities Required Prior to Building Demolition	Management Reserves may be required to acquire equipment and services to provide the required alternate temporary facility system services and functions during demolition preparation. Identify MAR that may remain and identify CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.			Alternate temporary facility system services and functions beyond those currently planned may be required to support building demolition. Currently identifying MAR that may remain and identifying CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluating air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring
PFP-091: Approval of DSA Revisions	A team of professionals is being assembled to develop the DSA revision to support open air demolition of a Haz Cat II PFP. This effort will be managed as an independent project from PFP daily activities. A partnering approach will be established with RL SMEs and management to expedite the effort and flush out concerns or obstacles early on. This risk is a bounding assumption associated with completion of PFP to Slab-On-Grade.			Staff is in place to support development of two DSA revisions. The annual update <b>submitted in June for DOE review and approval</b> . Revision 12 to the DSA is planned for submittal to RL for approval in November, 2014.
PFP-092: Increased Characterization	Events at the facility may increase the need for characterization above what is planned for cost and schedule.			The alternate technical approach assumes more duct work may be left in place for demolition. In order to implement the alternate technical approach, a more comprehensive characterization of 234-5Z than currently planned is required prior to demolition of the facility. Additional coupon sampling is required to provide more accurate data than the previously used, more conservative historical data, and to decrease the level of uncertainty of final results. Improved accuracy and reduced uncertainty in characterization results is required to enable justification of leaving more duct work in place prior to demolition.
PFP-074: Unexpected Configuration/Conditions	Unexpected facility configuration or site conditions are encountered during Cold & Dark, or demolition activities.			In the month of April the project realized this risk while using a porta-band to size reduce a demister line in a glove bag, employees heard a bang and saw an orange-reddish flame flash out the open end of the pipe. There were no signs of damage to the pipe or to the bag, no indications of airborne radioactivity on area CAMs, and post job surveys did not detect any spread of contamination. Work packages which have similar demister pipe removal activities were immediately suspended pending investigation and incorporation of possible corrective actions. <b>The stop work was lifted on June 17.</b> This work stoppage resulted in a new requirement for performance of hazard analysis of these systems and documenting the hazard analysis in the work package. A Notice of Change has been submitted to DOE for their consideration.
<b>242-Z Risks</b>				
PFP-242-04: Dose Rates in 242-Z are Higher Than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates.			242-Z Teams are being compiled and are working on work package development and field work prep activities to enable a smooth transition when field work is planned to start. <b>Training for the initial identified members of the 242-Z on the new PreMaire Breathing Air system was completed in May. A second session of training will be conducted in the month of July in anticipation of entries into the 242-Z facility in the month of August.</b>

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
PFP-242-05: RM 134 Modifications for size reduction & load out from 242-Z are not authorized	Develop the air-flow, fire protection, and structural requirements during the planning stage to allow for the wall between 242-Z and 234-5Z to be removed. Execute the demolition in accordance with the plan. Identify response team to respond to discoveries proactively to maintain progress.			Working with the field teams to develop more efficient and less intrusive direct waste load out capabilities.
PFP-242-06: More RH-TRU than Planned from 242-Z	Utilize results from radiological and analytical characterization to develop size reduction plans. Work with the waste packaging and characterization group to understand requirements for RH-TRU waste and packaging techniques to minimize RH-TRU waste.			242-Z Teams are being compiled and are continuing to work on work package development and field work prep activities to enable a smooth transition when field work <b>starts the end of July</b> .
<b>291-Z Risks</b>				
PFP-291-01: 291-Z Characterization Unknowns	Develop characterization plans and objectives. Review historical documentation of facility construction and accident event reports. Incorporate characterization information into facility work plans and execution documents.			Opportunities are being evaluated to characterize early during maintenance activities which result in allowance of some of the operating fans to be shut down. The plan of the week/day will be the communication tool to determine when early characterization can be conducted.
<b>Balance of Plant Decontamination/Decommissioning Risks</b>				
PFP-BOP-01: More Extensive Cleanout/Decon Required	Develop and implement a more detailed process facility characterization plan. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact. Identify approvals required and quantities/materials that may be exempted from removal (i.e. floor tiles, transite, electrical, etc.).			During the month of June, characterization efforts continued in the duct level following the sampling plan as developed by the Environmental Director at PFP.
PFP-BOP-02: Overall D4 Schedule Impacts From Interferences Between Sub-projects	The facility has developed an integrated priority list for all in-plant activities for resource assignment in accordance with priority. PFP has developed team communication meetings to prioritize resources on a daily basis. External facility resources are prioritized through MSA between PRC subprojects. These techniques ensure the resources are assigned to the highest priority work. Identify new D&D filed teams to conduct Walkdowns and Workpackage development to improve interfaces within subprojects.			Evaluation of additional field teams to start work in the duct level continued through the month of June. To mitigate schedule slippage characterization efforts are under way for E4 ducting/Filterboxes to determine waste disposition paths. In addition, field team sizes will continue to be evaluated to ensure resources are available when needed to support the duct level work efforts when glovebox removal activities are complete.  A BCR (BCR-011-14-003R0) was implemented in the month of May to included area approach vs. system approach. It is expected that a new technical approach for 234-5Z basement will be implemented into the baseline via the BCR process in August, 2014.
<b>PFP Demolition Risks</b>				
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Work with the CHPRC environmental to ensure that an understanding of equipment, components, and residual material criterion are understood and bounded for air modeling. Once the residual material/contamination is quantified, work with regulators to identify controls to allow for equipment removal and demolition as planned. Develop and implement plans to document criterion are met.			The current air modeling plan is based on assumptions of what the facility conditions may be at the time before demolition. Characterization activities that are and will be performed will provide actual data that will be used in the model. Based on the model results, the project will make adjustments to its demolition approach. Field characterization survey plans are currently under development. A characterization survey plan has been developed for PFP ventilation, and field characterization of E4 ducting is under way. As resources allow, more characterization unit survey plans will be developed and added to work packages.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
PFP-DEMO-08: Experienced Demolition Crews	Initiate demo planning early to establish contracting mechanisms at least one year prior to the need to begin demolition activities in order to have contracts in place to meet schedule. Complete more detailed facility characterization to support needed contract statement of work.			The full complement of D&D workers to support the PFP project will arrive on project by August, 2014. CHPRC is evaluating follow-on scope to keep the D&D work force on staff to ensure that the PFP will be able to be demolished as scheduled by September, 2016.  All requisitions are expected to be filled and individuals on project no later than July 7, 2014.
PFP-DEMO-18: ORR Required for PFP D4	The readiness activities schedules in the baseline are appropriate for the risk and complexity of the PFP & PRF demolition. Ongoing discussions will be conducted with DOE and DNFSB as required within the quarterly startup notification process. Additional resources may be added for preparation and review teams.			PFP efforts to upgrade the DSA to establish requisite conditions for the deactivation of vital safety systems, evaluate the unique hazards associated with the demolition phase of the project, and establish the commensurate control set for the remaining mission will validate the appropriateness of a readiness assessment versus Operational Readiness Review (ORR).
<b>PRF Cleanout/Decontamination Risks</b>				
PFP-PRF-01: PRF Canyon Cleanout Scope Increases	Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach. Failure to achieve end-point criteria to support open air demolition is a basis for Change Request to DOE.			The Characterization strategy is currently under development and meetings have been held with project managers to finalize the approach. Efforts are continuing to further define ready-for-demolition criteria for the PRF Facility as it is assumed to be the most challenging to achieve the milestone of slab on grade by September, 2016.
PFP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth	Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.			The PRF canyon crane is in service and pencil tank size reduction activities are continuing.
PFP-PRF-21: OPP: 236-Z Floor/Pan Grouting	Following pencil tank removal, the PRF canyon floor will be vacuumed and wiped down. After completing that activity, the floor will be grouted to cover the pans and create a level working surface. From the grouted floor, residual canyon cleanout and wall decontamination will be performed. Upon completion of canyon cleanout, another grout cap will be placed to secure any residual contamination remaining on the floor prior to demolition. This approach eliminates the effort to remove the stainless steel pans from the slab (a process that would damage the slab according to engineering analysis), reduces contamination levels on the floor, correspondingly improving efficiency of manned entries for other canyon decontamination and cleanout efforts, and stabilizes floor contamination from a criticality and contaminant dispersion perspective.			This is work that will be performed in FY2015. In preparation, a grouting concept is being developed and a grout specification will be prepared. This activity will require a revised CSER calculation and DSA USQ evaluation. A Plant Force Work Review (PFWR) will be processed. A grouting Contract SOW, RFP, Bid Evaluation, and award will be issued. Grout procurement and grout conveyance equipment RFPs, Bid Evaluations, and awards will be issued. A grout testing contract SOW, RFP, Bid Evaluation, and award will be issued. Work Packages will be prepared. Conveyance equipment will be installed. Grout will be delivered, tested and pumped.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
<b>RMA/RMC Glove Box Removal Risks</b>				
OPPORTUNITY: PFP-GB-01A: High Gram Box Disposition - FOAM	The responsibility for the implementation on the use of expanding foam at PFP has been assigned to personnel within the PFP Special Projects organization and is essentially being managed as a project. Lessons learned from other DOE sites that have used expanding polyurethane foam for similar applications are being used to facilitate implementation at PFP. The Risk Evaluation Board (REB) will be used to employ senior management personnel from CHPRC and DOE-RL to help resolve any significant issues associated with the use of foam.	●	↑	Efforts continue under the special projects organization to implement the foaming initiative to foam selected components throughout 234-5Z and 236-Z. In the month of December the project determined that an additional evaluation will be conducted to determine alternate foaming agents due to the fire analysis that was performed on desired foaming agent.  During the month of June, a vendor placed two different foams into the PFP mock-up glovebox. Evaluations of the foam the next day indicated a slight shrinkage of the foam inside the mockup. Evaluation and testing at the vendor facility determined the settling could be resolved by utilization of a screw dispersal pump. Another on-site mock-up will be performed to demonstrate satisfactory foam performance in mid-August.
PFP-GB-02: Glove boxes Isolation/Internal Strip out takes longer than planned	Utilize existing drawings, tools and techniques for equipment removal. Gram loading/NDA of gloveboxes has been obtained. Perform additional NDA to determine location of holdup. Perform surgical extraction of high gram items. Evaluate the use of foam or other fixatives to expedite cleanout.	●	↑	Continue to work with field teams to plan upcoming isolations on remaining gloveboxes.

## PROJECT BASELINE PERFORMANCE

### Current Month

### (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	7.9	5.6	7.0	(2.3)	-29.5%	(1.5)	-26.3%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Variance: (-\$2.3M/-29.5%)

The current month schedule variance is attributed to impacts from a formal stop work that was issued in April and not closed until a process was established to ensure that the Plutonium Finishing Plant (PFP) Closure Project had a consistent approach for the mechanical cutting of active/inactive piping, tanks, vessels, and connected systems with Chemical(s) of Potential Concern (COPCs) that have the potential to generate a flammable atmosphere. The work stoppage resulted in a new requirement for performance of hazard analysis of these systems and documenting the hazard analysis in the work package. In June, as a result of this stop work, and implementation of new requirements into work documents, two weeks of field work was delayed to resolve this issue with a constant staff and no progress earned on planned work. In addition, re-sequencing of work in the 242-Z Americium Facility, to align with the availability of D&D workers has caused delays in preparations and initial entry activities. Resource availability to support work efforts in the 236-Z facility have been impacted as a result of unanticipated attrition of RCT and NCO's to support other Hanford Contractors. The variance is partially offset by completing behind schedule work in 234-5Z RMA/RMC lines.

**CM Cost Variance: (-\$1.5M/-26.3%)**

The current month negative cost variance is attributed to a formal stop work and recovery actions as noted above, behind schedule status of discrete (apportioned) work scope activities while maintaining a constant support D&D support staff and services. Unanticipated costs to support initiatives that PFP is implementing (i.e., foaming and PreMaire Breathing Air), and increased training as a result of assignment of new Health Physics Techs (as the result of HAMTC lamping process) to PFP.

### 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	701.3	673.8	709.2	(27.5)	-3.9%	(35.5)	-5.3%	935.4	965.7	(30.3)

Numbers are rounded to the nearest \$0.1M

**CTD Schedule Variance (-\$27.5M/-3.9%)**

The Schedule Variance is within reporting thresholds.

**CTD Cost Variance (-\$35.5M/-5.3%)**

The Cost Variance is within reporting thresholds.

**Variance at Completion (-\$30.3M/-3.2%)**

The Variance at Completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and prior year unrecoverable costs. The project is advancing a strategic path forward to achieve the slab-on-grade completion date of September, 2016.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2014		Spend Variance
	Projected Funding	Spending Forecast	
RL-0011	106.8	103.0	3.8

Numbers are rounded to the nearest \$0.1M

**Funds/Variance Analysis**

Projected Funding remained at \$106.8M. The spending forecast was reduced from \$103.9M to \$103.0M due to subcontract adjustments.

### Critical Path Schedule

The PFP critical path runs through size reduction of the Plutonium Reclamation Facility (PRF) Pencil Tanks, Decontaminating/Scabbling/Fixing the PRF Canyon, Prepping the Gallery Gloveboxes and turning PRF into a Cold & Dark facility. This achieves completion of the M-083-44A TPA – *Complete Transition of 234-5Z & ZA/243-Z/291-1 & 291-Z Facilities* – and kicks off demolition of the 242-Z/242-ZA and 236-Z facilities leading to completion of the final TPA milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

### Baseline Change Requests

BCR-011-14-004R0 - *PBS 11 Base Year Shift Adjustment*

BCR-011-14-005R0 - *Schedule Logic Correction*

BCRA-PRC-14-019R0 - *HPIC Updates June 2014*

BCR-PRC-14-018R0 - *Modify Activity IDs*

## MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-I & 291-Z Facilities	09/30/15		11/30/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable.
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		12/29/16	This Tri-Party Agreement completion is at risk of meeting the 9/30/16 commitment date.

## SELF-PERFORMED WORK

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

## GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

# Section B

## Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

**June 2014**  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition and continued supporting the ECRTS Project work by supporting Annex Construction Activities and In-Basin Construction activities.
- The Engineered Container Retrieval and Transport System (ECRTS) Project continued working the three Nuclear Safety Initiatives process improvement initiatives. All three initiatives are being included in the revised design and PDSA submittal that is scheduled to be submitted to RL approval in late September. Work continued on updating the safety design strategy to fully align with the planned revision to the PDSA. Procurements for the ECRTS Project progressed. Twelve potential vendors responded to the STSC Vessel Request for Proposal. The STSC procurement vendor submittals are being evaluated with a recommendation for contract award being made to management by mid-August. The ECRTS Equipment procurements have been grouped into approximately 20 separate SOWs. The first two SOW for procurement of general service control system panels and transfer/decant system equipment are currently in the review cycle and are scheduled to be released to the blanket ordering agreement holders with a request for proposal in early July.
- The Integrated Process Optimization Demonstration (IPOD) continued at the Maintenance and Storage Facility (MASF) with IPOD activities forecast to be complete in late July; the test report will subsequently be developed and processed through the STP joint test group. Garnet Filter testing continues at MASF with testing of new pipe plug bladder concepts being developed.
- Construction continued its trend of positive performance. The KW Annex structural design issues have been resolved and the project will complete Structural Steel and Concrete Roof Deck Performance Measure Milestones in July. In-Basin construction activities being performed as FY2014 buy-back scope are progressing ahead of schedule and below budget.

## EMS OBJECTIVES AND TARGET STATUS

None currently identified.

### TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	9	<ul style="list-style-type: none"> <li>• 6/4/14 - Employee was participating in a test. An inflatable rubber plug failed and caused a loud bang, which then caused acoustic trauma to the right ear. Body part affected: Ear (23408)</li> </ul>
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

- IPOD - the MASF team completed loading an STSC with settler tank simulant to demonstrate and test the latest design modifications to the STSC decant float arm hinge and the ORT high pressure spray nozzles.
- 105KW Annex Construction completed:
  - o the masking and have initiated priming for the holdback areas near the bolting and welding of the structural steel in support of the field fire coating application of steel members for the installed low bay and intermediate bay,
  - o the placement of the mezzanine shielding plates and grating and initiated the drilling and fastening to the structural steel member,
  - o the concrete placement for low bay roof,
  - o passed all non-destructive examinations on the critical demand welds,
  - o the installation of the high bay steel wall framing, and
  - o the concrete placement for intermediate bay roof and roof decking.
- In-basin construction mobilized contractor on June 9, 2014 and began physical fieldwork on June 10, 2014.
- T Plant Design - CHPRC and the Hanford Fire Marshall approved CHPRC-02150 "Equivalency Request for the Hazardous Material Requirements Associated with the Receipt, Handling, and Storage of Sludge in T Plant Process Cells". An advanced informal copy was sent to RL fire protection on June 13, 2014. The formal transmittal letter is expected to be approved by June 27, 2014. CHPRC is requesting RL approval within 30 days of receipt of the letter.
- K West Nuclear Safety - The 2013 Annual Update to the K West Basin Safety Basis FSAR and TSR was submitted to RL for approval on June 2, 2014. This update incorporates minor changes and provides a basis to resolve the USQ associated with hydrogen generation in the K West Basin ECs.

## MAJOR ISSUES

None currently identified.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Working - No Concerns  Increased Confidence  
 Working - Concern  No Change  
 Working - Critical  Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0012/WBS 012</b>				
STP-067A: Safety Significant Components  STP-067B – OPPORTUNITY: Safety Classification of SSC’s	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with RL to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA will be formally submitted to RL in July of 2013. Early procurements of SSC’s may be initiated at a higher safety/quality level.			Staff is proceeding with developing engineering and nuclear safety documentation supporting implementation of alternative strategies simplifying ECRTS design and operation.
STP-072: Delayed STSC/ECRTS Procurement & Delivery	Identify qualified vendors up-front, Conduct fabricator on-site inspections, place CHPRC Quality Control staff at the vendor facility, Maintain a prioritized buyback list to initiate early procurements should additional funding be identified, and procure raw materials early to minimize commodity price fluctuations. Develop procurement bundles for equipment that can be prioritized based on funding, vendor availability, and safety documents.			Two ECRTS Process Equipment Fabrication Master Contracts have been awarded. Twelve vendor response are being evaluated for the STSC vessel procurement.
STP-111B: Basin ECRTS Installation Contractor/ Subcontractor Performance	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Re-train construction personnel on procedures for performing construction activities. Include in baseline budget to cover additional management oversight support for construction, planning, safety and project management to accommodate the potential impacts. Interface between existing organizations will need to be closely coordinated, planned, and monitored. Mitigation strategy is to provide extensive oversight on subcontractors work scope.			In-Basin Construction work is progressing ahead of schedule.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.			A Corrective Action plan is in place with the primary construction contractor. CHPRC has increased oversight over the contractor to ensure performance improvements are obtained.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews and constructability reviews have been completed, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a streamlined approach for handling contractor submittals and RCIs.			Situation continues to be monitored by the project team.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC is proceeding with contract strategy for the Annex Construction.			CHPRC submitted a Change Proposal to address the cumulative impacts of sequestration and partial government shutdown for the Annex construction. Sequestration and partial government shutdown actions may have a resulting impact on the Annex Construction contractor outside of the original contract scope for directed stop & restart activities.

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	4.3	5.7	6.9	1.4	32.5%	(-1.2)	-20.4%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (+\$1.4M/+32.5%)

CM positive SV is due to In-Basin construction working buy-back scope ahead of schedule, Annex Construction recovery/acceleration of field work and associated apportioned efforts for Construction Management/ Support, and recovery of the schedule for nuclear safety initiatives delayed earlier in the year as well as acceleration of buy-back scope for ECRTS procurement.

#### CM Cost Performance (-\$1.2M/-20.4%)

CM negative CV is due to accrual of potential Annex Construction contract claims for work that has been completed to date, additionally KW Basin Operations has a negative CV due to addition of seven staff to support Debris Relocation activities as well as additional work in the period associated with the clean and inspect of switchgear A/B.

## 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	422.8	424.0	434.3	1.3	0.3%	(10.3)	-2.4%	692.6	708.8	(16.2)

Numbers are rounded to the nearest \$0.1M

#### CTD Schedule Performance (+\$1.3M/0.3%)

Variance is within reporting thresholds.

#### CTD Cost Performance (-\$10.3M/-2.4%)

Variance is within reporting thresholds.

#### Variance at Completion (-\$16.2M/-2.4%)

The Variance at Completion is within reporting thresholds.

**Contract Performance Report Formats are provided in Appendix A.**

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

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	72.2	69.3	2.9

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Projected Funding remained at \$72.2M. The spending forecast decreased slightly as buy-back procurements are not progressing as quickly as planned in FY2014.

### Critical Path Schedule

The STP Critical Path is funding constrained in FY2014 resulting in deferral of process equipment procurement into FY2015/2016. The critical path subsequently flows through the installation of process equipment, then operational acceptance testing of the facility modifications, annex process equipment, readiness activities at the 105KW Facility, the operational readiness review, and finally containerized sludge retrieval operations. Retrieval operations includes the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

### Baseline Change Requests

BCR-012-14-004R0, *In-basin Construction and T Plant Modification WBS Revision*  
 BCR-PRC-14-018R0, *Modify Activity IDs*  
 BCRA-PRC-12-019R0, *HPIC Updates June 2014*

## MILESTONE STATUS

Tri-Party Agreement milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

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

## SELF-PERFORMED WORK

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

## GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

# Section C

## Solid Waste Stabilization and Disposition (RL-0013)



**L. T. Blackford**  
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Services (DWF&RS)

**June 2014**  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) received 9 tankers, 44.5k gallons. LEF completed ETF FY2014 Key Performance Goal (KPG) "Complete ETF transition to campaign mode and develop a plan to transfer ETF to ORP by 2015." Liquid Effluent Retention Facility (LERF) Basin commenced cleanup of Basin 42 with second crane crew. T Plant completed final fire barrier penetration. Canister Storage Building (CSB) continued Multi-Canister Overpack (MCO) monitoring. Central Waste Complex (CWC) loaded and shipped 12 Hanford Engineering Development Laboratory (HEDL) drums and one Fiber Glass Reinforced Package (FRP) to PFNW.

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

## 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	3	50	<ul style="list-style-type: none"> <li>6/5/14 Employee reported driving to a work site when a bee stung the leg. Body part affected: Leg (23410)</li> <li>6/9/14 Employee attempted to unplug an electric fork lift from a charger when experienced a mild shock. Body part affected: Hand (23411)</li> <li>6/12/14 Employee was standing near an air vent dryer that unexpectedly came on. Body part affected: Ear (23417)</li> </ul>
Near Misses	0	1	N/A

## KEY ACCOMPLISHMENTS

### 13.01 Project Management

- Continued Project Management support for high priority projects
- Initiated development of the FY2015 Performance Measurement Baseline update deliverable. This

includes a bottoms-up estimate to complete for all baseline scope along with an accompanying basis.

### 13.02 Capsule Storage & Disposition

- Completed:
  - o 35 PM work packages
  - o TSR Surveillances
  - o Rad surveillances
  - o Operational surveillances
- Refurbished air compressor #1 and placed back into service
- Performed annual calibration of:
  - o Differential Pressure Indicator/Transmitter K3-DPIT-2-2
  - o Pool Cell Weight Factor Indicators
  - o 225BG Conductivity Sensor and Transmitter
  - o Personnel Contamination Monitors (PCM) PCM-608-1, and PCM-155-1 and weekly PCM function test
  - o K1 filter differential pressure indicator
- Completed the repairs to soft spots located on 225B lower roof
- WESF Stabilization and Ventilation Project:
  - o Environmental Strategy is being revised to incorporate regulator comments
  - o Alternative Analysis has been drafted and undergoing CHPRC review
  - o Prepared and submitted a Plant Forces Work Review
  - o Safety Design Strategy is being routed for approvals
- Extended Storage Preparations:
  - o Functions and Requirements document is in approval process
  - o Performance Specification outline has been reviewed and approved
  - o Statement of Work is under review by the project team
  - o Project Execution plan is under review by the project team
  - o Acquisition Strategy Document is under review by the project team

### 13.03 Canister Storage Building (CSB)

- Continued multi-canister overpack (MCO) monitoring program.
  - o Relocated MCO H-170 to sample station
- Completed:
  - o Annual MCO Handling Machine (MHM) collision avoidance and travel limits functional check
  - o Annual MCO sample station ventilation differential pressure indicator calibrations (TSR)
  - o Quarterly MHM interlock channel tests
  - o Quarterly Gaseous Effluent Monitoring System (GEMS-100) functional tests
  - o Replacement of GEMS-100 primary sample pump
  - o 23 Preventive Maintenance (PM) work packages

### 13.06 TRU Repackaging

- o Shipped FRP waste box 753DMAF02.B from Outdoor Storage Area A to Perma-Fix Northwest (PFNW) on May 27, 2014 swing shift road closure.
- o PFNW continues to size reduce the waste removed from waste shipment TC108 (waste package 753DMAF02.B).
- o Loaded and shipped 12 Hanford Engineering Development Laboratory (HEDL) drums from CWC to PFNW.

### 13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:

- o Completed work for Master Documented Safety Analysis (MDSA) Rev 10 upgrades (Add Zone II to Atmosphere Low Differential Pressure (DP) Alarm to the WRAP Annunciator Panel)
- Surveillances/PMs:
  - o Seven TSR surveillances
  - o Six Preventive Maintenance (PM) packages
  - o 75 Radiological (Rad) surveillances
  - o 40 Operational surveillances

### 13.08 T Plant

- Completed:
  - o 291T one year High-efficiency particulate air (HEPA) filter efficiency test (TSR)
  - o Final fire barrier penetration repairs (280 total)

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

- Replaced and tested HEPA filter in 218W4B-Caisson-GE-MFP-6
- Received DOE approval on June 17, 2014 to proceed with Concrete Box 231-Z-DR-11 for shipment
- Completed critical lifts of four large waste boxes and relocated away from 231ZDR-11 in support of 231ZDR-11 NDA activities scheduled for June 13, 2014
- CHPRC received the Department of Energy (DOE) exemption for return shipments of Transuranic mixed (TRU/M) waste from PFNW
- Completed actions required by Section 4.6.6 of Agreed Order and Stipulated Penalty Number DE 10156, i.e., box covers and relocation
- Surveillances/PMs:
  - o Six TSR surveillances
  - o 16 PM packages
  - o 176 Rad surveillances
  - o 62 Operational surveillances
- Shipments:
  - o Received three shipments totaling 32 drums and one Standard Large Box 2 (SLB2) of Transuranic Mixed (TRU/M) from Plutonium Finishing Plant (PFP)
  - o Shipped one Fiber Reinforced Plywood (FRP) box and 12 overpacked 55-gallon drums of TRU/M waste to PFNW for size reduction and repackaging into Waste Isolation Pilot Plant (WIPP) certifiable containers

### 13.11 Liquid Effluent Facilities (LEF)

- Completed ETF FY2014 Key Performance Goal (KPG) “Complete ETF transition to campaign mode and develop a plan to transfer ETF to ORP by 2015”
- Removed six bird nests from ETF complex with no contamination found
- Completed Pump station #1 beryllium sampling
- Supported DOE-sponsored Ukrainian tour of ETF for liquid waste treatment options
- Completed
  - o Annual maintenance of EVU-9
  - o Annual fire door inspection
  - o Six-month maintenance of fire systems for 2025E and 2025EA
  - o Decontamination and reduction of Contaminated Areas (CA) of Sump 1 and Sump 1A in 2025E
  - o Third-party inspection of tank vessels in 2025E and 2025ED
  - o Two-month sanitary water filter replacement

### LERF Basin Cleanup

- Commenced cleanup of Basin 42 with second crane crew (status provided below)
- Removed full “Geotube” filter from Basin 44 containing 7,000 lbs. of mud
- Shipped Roll-On/Roll-Off containers to ERDF
- Installed three mobile units with air conditioning for heat stress mitigation
- Completed inspections of tension towers at Basin 42, 43, and 44; six (6) towers failed and repair work packages are in development
- Applied insecticide to Basins 42, 43, and 44 to eliminate food source for migrating birds

LERF Basin Number	Bulk Water Pumped This Month (gallons)	Bulk Water Pumped CY14 (gallons)	Slurry Pumped This Month (gallons)	Slurry Pumped CY14 (gallons)	Mud Removed This Month (pounds)	Mud Removed CY14 (pounds)	% Complete	Change
42	5,200	135,126	1,000	1,000	0	0	92%	-
43	0	0	0	0	0	0	84%	-
44	96,645	204,032	13,500	53,381	0	0	91%	-

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

- Continued development of Functional Design Criteria for the ERDF leachate to the 200W Pump-and-Treat system
- Continued development of Rough Order of Magnitude (ROM) for entire project
- Continued conceptual and preliminary designs
- Completed cultural and ecological reviews and excavation permit
- Submitted supplemental change proposal to add final design

### Effluent Treatment Facilities (ETF)

- Received 9 tankers:
  - 44.5K gallons (231K fiscal year [FY])
- Received 29 drums from Waste Sampling and Characterization Facility (WSCF)
- Treated effluent to State-Approved Land Disposal Site:
  - 0.0M gallons (1.9M FY)
- Discharged to 200A TEDF:
  - 1.92M gallons (113M FY)
- Received ERDF Leachate
  - 139K gallons (1.49M FY)

### 13.12 Integrated Disposal Facility

- Completed monthly inspections

### 13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

### 13.21 Mixed Waste Disposal Trenches

- Completed:
  - One TSR surveillance
  - 16 Rad surveillances
  - Four Operational surveillances
- Shipments:

- o Shipped three tankers of Mixed Waste Trench (MWT) leachate to Liquid Effluent Retention Facility/Effluent Treatment Facility (LERF/ETF)

## MAJOR ISSUES

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

**Corrective Action:** In development.

**Status:** Daily pumping of liquid is being executed while long term corrective actions are developed.

**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. This configuration would also mitigate/eliminate the risk and cost for long-term management of these containers.

**Status:** Continuing to use the best demonstrated available technology to provide adequate configuration and minimize the potential for contamination spread during the long-term storage (i.e. protecting boxes with tarps or protective shoring and overpacking drums). Provided letter to RL identifying risk and requesting path forward, awaiting RL response.

**Issue:** Emergency lighting in the Central Waste Complex (CWC) and Waste Receiving and Packaging (WRAP) facilities is failing at an increasing rate. The current version of fluorescent lighting for the 2403 series buildings is no longer available.

**Corrective Action:** Procure and install new lighting that is readily available and can be maintained in inventory system.

**Status:** Repairs/replacement is taking place with remaining spares inventory, sufficient to remove compensatory measures.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Risk Response Effective  
 Risk Response Partially Effective  
 Risk Response Not

 Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0013</b>				
<b>PRC-010: Requirements Change</b>	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			Continued discussions with Regulators indicate potential for additional changes (CWC). Implementation of LERF Air Permit initiated (~20 procedures impacted).
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing. Evaluate additional waste volumes of TRU waste being sent to treatment contractors to maintain contract viability.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. DOT Exemptions to transport to/from off-site contractor are in process.  Additional shipments are included in "Buy Back" list which is pending RL approval.
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			LERF cover cleaning and Trench 94 biological contamination cleanup progressing.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform routine surveillances (daily/weekly) of containers within the SWOC storage areas and identify abnormalities. Develop a "watch-list" for containers that have existing corrosion to monitor for signs of accelerated corrosion. Develop plans for dealing with degraded/abnormal containers. Discrepant containers may require additional monitoring, patching, covering or overpack as required. If a breach is identified, implement response procedures and perform response actions as appropriate.			Continue to perform re-labeling, covering and overpacking of containers in CWC. Clarification received from Ecology regarding box covers. PNOC in development for additional requirements for Box 231-ZDR-11.  PNOC developed for Phase 2B of Agreed Order
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> <li>• SOW for ETF Heat Exchanger complete and issued.</li> <li>• LERF Cover anomalies are being evaluated &amp; developing repair strategy. Newly identified cuts in Basin 44 under evaluation.</li> <li>• WESF roof warranty repair work complete.</li> <li>• Schedule developed to address CWC repair items- requires DOE authorization to proceed.</li> <li>• T-Plant fire barrier repair work scope is complete.</li> </ul>
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			Working compliance matrix and implementing actions/documents for the Ecology Agreed Order. Requirements may exceed planned work scope in relation to box 231-ZDR-11.

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.8	6.6	5.8	(0.2)	-3.0%	0.9	12.9%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (-\$0.2M/-3.0%)

The current period schedule variance is within reporting threshold.

#### CM Cost Performance (+\$0.9M/+12.9%)

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

## Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	854.3	854.7	824.2	0.4	0.0%	30.5	3.6%	1,342.0	1,271.9	70.1

Numbers are rounded to the nearest \$0.1M

#### CTD Schedule Performance (+\$0.4M/+0.0%)

The schedule variance is within threshold.

#### CTD Cost Performance (+\$30.5M/+3.6%)

The cost variance is within threshold.

#### Variance at Completion (+\$70.1M/+5.2%)

The Variance at Completion is due to 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	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	83.8	79.8	4.1

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Projected Funding is unchanged from the prior month. The change in FY2014 Spending Forecast from \$83.4M to \$79.8 is primarily the result of reducing forecasted shipments to PFNW.

### Critical Path Schedule

Critical path analysis can be provided upon request.

### Baseline Change Requests

BCR-013-14-013R0 - *Definitization of CO #236, RTS Transfer to WCH*

BCR-013-14-014R0 - *CO #188 NTE, IDF Performance Assessment*

## 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. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-03H	Submit Revision of TRUM Waste and MLLW PMP to Ecology	6/30/14	6/12/14	6/30/14	Complete

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

# Section D

## Soil and Groundwater Remediation Project (RL-0030)



**CH2MHILL**  
Plateau Remediation Company



**M. J. Cherry**  
Acting Vice President and  
Project Manager for  
Soil and Groundwater  
Remediation Project

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

June 2014  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued progress on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)* remedial process documentation for the River Corridor and Central Plateau. Sampling and groundwater treatment completed in June includes the following:

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Nitrate as N (kg)		Tech-99 (pCi)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	27.5	222.9	12.5	173.8	-	-	-	-	-	-
HX P&T	32.8	230.8	1.5	18.8	-	-	-	-	-	-
KR-4 P&T	13.0	107.3	0.4	4.1	-	-	-	-	-	-
KW P&T	12.7	115.3	0.9	11.1	-	-	-	-	-	-
KX P&T	26.3	211.8	2.1	18.5	-	-	-	-	-	-
200 West P&T	69.2	565.2	7.1	55.4	275	2,131	4,946	39,918	.105x10 <sup>12</sup>	.812x10 <sup>12</sup>
<b>Combined</b>	<b>181.6</b>	<b>1,453.3</b>	<b>24.5</b>	<b>281.8</b>	<b>275</b>	<b>2,131</b>	<b>4,946</b>	<b>39,918</b>	<b>.105x10<sup>12</sup></b>	<b>.812x10<sup>12</sup></b>

Sampling	June	FY2014 Cumulative
Well Sampling Events	287	1,770
Aquifer Tube Sampling Events	39	442
Total Number of Sampling Events	326	2,212
Samples Collected	773	9,887
Analyses Performed*	239	14,933

\* The number of analyses performed compared to samples collected is low this month due to samples being sent to off-site laboratories for analyses. It will take extra time for this transition from WSCF to off-site labs to come full circle.

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-SGWR-OB1-T1	Reduce air emissions at the 200 West P&T Facility	Update air emissions baseline for 200 West P&T Facility and evaluate data to identify if additional air modeling is warranted and whether opportunities exist to reduce air-toxic emissions.	9/30/14	On schedule
		A tabulation of emissions, in mass per year, for constituents of concern (i.e., all constituents analyzed for during sampling events). Evaluation results will be documented as a Worksite Assessment(s).	Quarterly	80% complete

Objective #	Objective	Target	Due Date	Status
14-SGWR-EMS-OB2-T1	Reduce the amount of toxic and/or hazardous materials in the environment	P&T 1.8 billion gallons of contaminated groundwater from all P&T facilities during FY2014.	9/30/14	On schedule
		The volume of contaminated groundwater that is treated as measured in gallons.	Monthly	1,453M gallons treated through 6/30/14
14-SGWR-EMS-OB3-T1	Reduced resources use (fuel use)	Evaluate opportunities to discharge purge water to ground from newly drilled wells.	9/30/14	Complete
		Report results of evaluation by Well ID/Well Name.	Monthly	Complete
14-SGWR-EMS-OB4-T1	Reduce fuel consumption/greenhouse gas emissions and increase resource utilization (sampling, well maintenance, and waste management personnel)	Seek EPA and Ecology approval to manage miscellaneous solid waste (MSW) from well sampling and maintenance activities in one centralized area.	3/30/14	Under revision
		This target will be met upon submittal of TPA Change Notice to RL, EPA, and Ecology.	Status at completion	Under revision

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	30	6/2/2014 - Employee injured their right middle finger while lifting a hydro-star sampling pump from a well in the 200E Area. Following evaluation the employee was returned to work without restrictions. (23406) S&GRP
Near-Misses	0	2	N/A

## KEY ACCOMPLISHMENTS

### RL-0030.O1 RL 30 Operations

#### RL 30 Integration & Assessments

##### Environmental Strategic Planning

- Supported the Hanford Senior Executive Committee meeting on June 9, 2014. There were discussions on the budget outlook, priorities, the Tri-Party Agreement, M-091 milestones/work scope, and cesium/strontium capsule transfer to dry storage.

##### Technical Skill Development

- Hosted training provided by GoldSim Technologies, Inc. for modelers and risk assessors in the use of the GoldSim Pro (Monte Carlo simulation software). The 24 attendees included CHPRC and Intera modelers and risk assessors, as well as participants from RL, ORP, WRPS, and Ecology.

##### International Participation

- Will Nichols of Intera continued his participation in the IAEA consultancy attending the *International Atomic Energy Agency Consultancy on the Management of Large Amounts of Waste Following a Nuclear Emergency - 5th Meeting* in Vienna, Austria. The consultancy responded to comments from IAEA staff and incorporated changes, resolved key concerns, and identified remaining work to complete this umbrella guidance document.

##### WSCF Closure

- Sample packaging and shipping is proceeding with minimal complications. Offsite labs are completing the analyses and the electronic data deliverables are coming in on time.
- The RL Contracting Officer has concurred with the CHPRC recommendation to use the Integrated Contractor Procurement Team (ICPT) for the environmental analytical services procurement, resulting in a 60 calendar day improvement to the schedule. The current schedule shows the contract(s) will be awarded by August 14, 2014.
- The current schedule for the IH analytical services shows the contract(s) will be awarded by September 9, 2014.
- Building 6267, the future sample packaging, shipping, and receiving facility, is scheduled to be transferred to CHPRC by the middle of September. Field Sampling Operations and Engineering are working to define the necessary modifications to this building with the intent to initiate the modifications as soon as possible.
- Key date remaining:
  - o September 30, 2014 - site wide contracts for environmental analytical services and industrial hygiene analytical services will expire; CHPRC will need contracts in place with offsite labs for these services.

##### Groundwater Sciences

- The *Hanford Site Groundwater Monitoring Report for 2013* was delivered to RL for review. Comments were addressed and the report revised for submittal to Ecology.
- The *Calendar Year 2013 Annual Summary Report for the 100-HR-3 and 100-KR-4 Pump-and-Treat Operations, and 100-NR-2 Groundwater Remediation* and *Calendar Year 2013 Annual Summary Report for the 200-ZP-1 and 200-UP-1 Operable Unit Pump-and-Treat Operations* were delivered to RL and we are awaiting comments.
- The web-based version of all three of these reports will be ready for agency review, as appropriate, in mid-July.

**River Corridor**

- The Draft *Annual Plume Containment and Remediation Utilization Plan* was submitted on June 10, 2014 to RL in accordance with Performance Measure DOE-RL-0030-20.1, completion criteria 3.

**100-KR-4 Operable Unit**

- Constructing Electrical and Mechanical Racks for WE11 (199-K-205) to KW P&T. Modifying KW P&T for high concentration chromium well (WE11) by adding pre-treatment vessel, acid pump modifications, and new filter station assemblies in the KW P&T.
- Completed bonding of HDPE lines for XE3 (199-K220), XE-5 (199-K-210) and XE35 (199-K-212). Initiated installation of electrical and mechanical racks at wells sites.

**100-NR-2 Operable Unit**

- Completed a modeling workshop with Ecology for the 100-N RD/RA WP. Also, Ecology delivered their final comments on the RD/RA WP and we have dispositioned those comments and red-lined the revised document.
- The RI/FS document comment resolution has progressed to Chapter 8. RL reviewed and commented on the chapter and CHPRC is now revising it for submittal to Ecology.

**100-HR-3 Operable Unit**

- The draft letter report for the 100-D-100 waste site characterization was provided to RL for review on June 24, 2014.
- The 100-HR-3 PP, draft Rev 0, was provided to Ecology for legal review on June 25, 2014.

**100-FR-3 Operable Unit**

- The 100-FR-3 RI/FS and PP, final, were delivered to RL for distribution to the regulatory agencies and information repositories on June 5, 2014.
- Public Comment period for the 100-FR-3 PP began on June 9, 2014. In support of the Public Comment period, a web-based, publically accessible version of the RI/FS report was created and linked to the Hanford.gov Event Calendar page. This includes the large volume of analytical data organized into easier to navigate spreadsheet application files. This could become standard for Public Comment.

**300-FF-5 Operable Unit**

- Delivered the Draft *A Sampling Instructions for the 300-FF-5 Operable Unit Supplemental Post-ROD Field Investigations*, on June 10, 2014, to RL for submittal to EPA for review.

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

- Re-evaluating approximately 155 waste sites for characterization data needs to be included in the 200-WA-1 RI/FS work plan and SAP.
- A regulatory meeting was held on June 12, 2014, to discuss waste sites that could be categorized as “housekeeping or general maintenance” and could be removed from evaluation in the RI/FS.

**200-SW-2 Operable Unit**

- Continue resolution of Ecology's comments on the 200-SW-2 RI/FS work plan, Draft A. A series of workshops have been completed with Ecology to determine the characterization needs for each of landfills.

**200-East Closure Plans**

- The five RCRA TSD Closure Plans were submitted by RL to Ecology June 23, 2014, to meet Tri-Party Agreement Interim Milestone M-037-02 (due June 30, 2014).

**200-IS-1 Operable Unit**

- Continued resolution of Ecology's comments on the 200-IS-1 RI/FS work plan, Draft A. Submitted the Chapter 1 comment responses and text updates for RL review and subsequent submittal to Ecology on June 30, 2014.
- Submitted revised Change Packages C-14-01 to RL and subsequently to Ecology (on June 24, 2014) for their review and concurrence. Resubmitted the Change Package on June 30, 2014, based on Ecology's comment indicating fundamental agreement with suggested language changes (provided on June 26, 2014).
- Submitted revised change packages C-13-01 to RL and subsequently to Ecology (on June 24, 2014) for their review and concurrence. Ecology has indicated that they are in disagreement with the change package as it does not identify the waste sites that are also TSDs.

**200-UP-1 Operable Unit**

- The balance of plant 90% design was completed and is in CHPRC review.
- Fabrication of the treatment train by Avantech continued. Procurement of HPDE pipe-in-pipe and the extraction well drilling were initiated.
- The Sampling and Analysis Plan for Remediation Wells in the 200-UP-1 Operable Unit, DOE/RL 2014-27, was approved by EPA.
- The Decisional Draft *Calendar Year 2013 Annual Summary Report for the 200-ZP-1 and 200-UP-1 Operable Unit Pump-and-Treat Operations* (DOE/RL-2014-26) was provided to RL for review
- Received Change Order #257 for design, installation, and O&M of a hydraulic containment system for I-129). Change proposal preparation is underway.

**200-BP-5 Operable Unit**

- Received Change Order #256 (BP-5 EECA/AM/RAWP, and design and install-ready two pipelines for U/Tc-99). Change proposal preparation is underway.

**200-PO-1 Operable Unit**

- The Decisional Draft Groundwater Sampling and Analysis Plan for the 200-PO-1 Groundwater Operable Unit was revised to incorporate RL's SAP Review Panel comments and is undergoing the document release.

**200-ZP-1 Operable Unit:**

- Connecting three extraction wells (YE14, YE17, and YE20) to the 200W P&T, including installation of electrical and mechanical racks at well sites, modifying fiber optic communications, construction of filter assemblies at transfer and process buildings, and electrical modifications for operation of new systems.

- Connecting four injection wells (YJ7, YJ9, YJ15, and YJ23) to the 200W P&T, including construction of a new stainless header in the ITB-1 transfer building, construction of the individual well headers off of the stainless steel header, construction and installation of mechanical and electrical racks at the well site, two excavated road crossings, and two bermed crossings.

**200 West P&T**

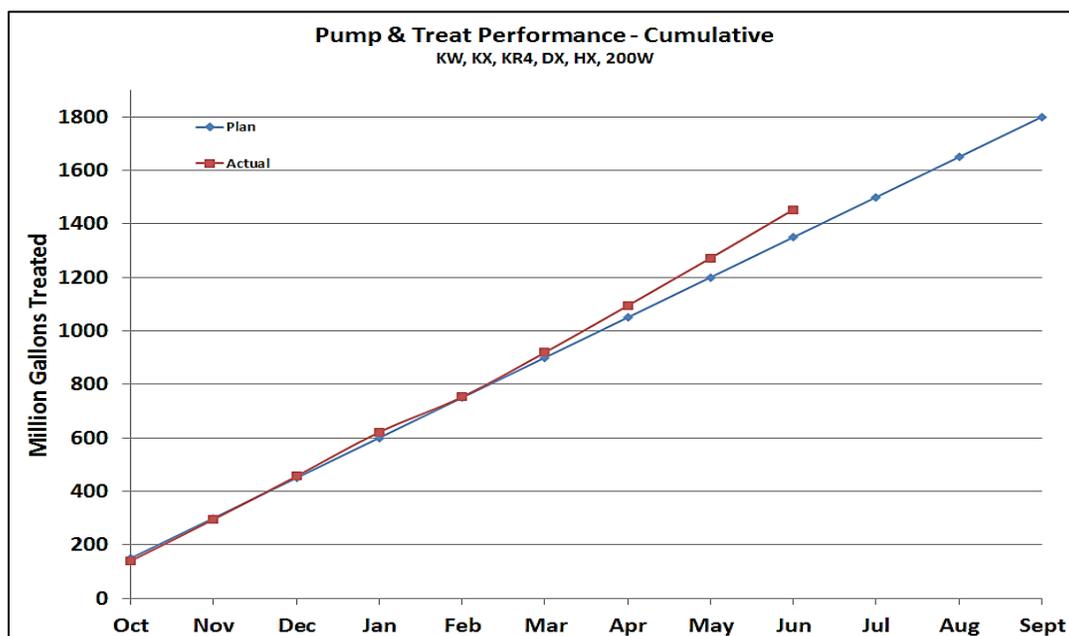
- Average pumping rate for June was 1,597 gpm.
- Effluent concentrations remain below cleanup levels specified in Record of Decision.
- One unplanned shutdown occurred on June 6, 2014, when Injection Transfer Building 1 shut down due to tank high level that was a result of well YJ-12 suddenly losing injection capacity. The plant was re-started the next day.
- Drilling is complete on all four planned injection wells; construction is complete on well YJ-23, ongoing at wells YJ-7 and YJ-15, and well YJ-9 is awaiting construction (YJ-9). Drilling was initiated on new wells YJ-8 and YJ-24.

**200-DV-1 Operable Unit**

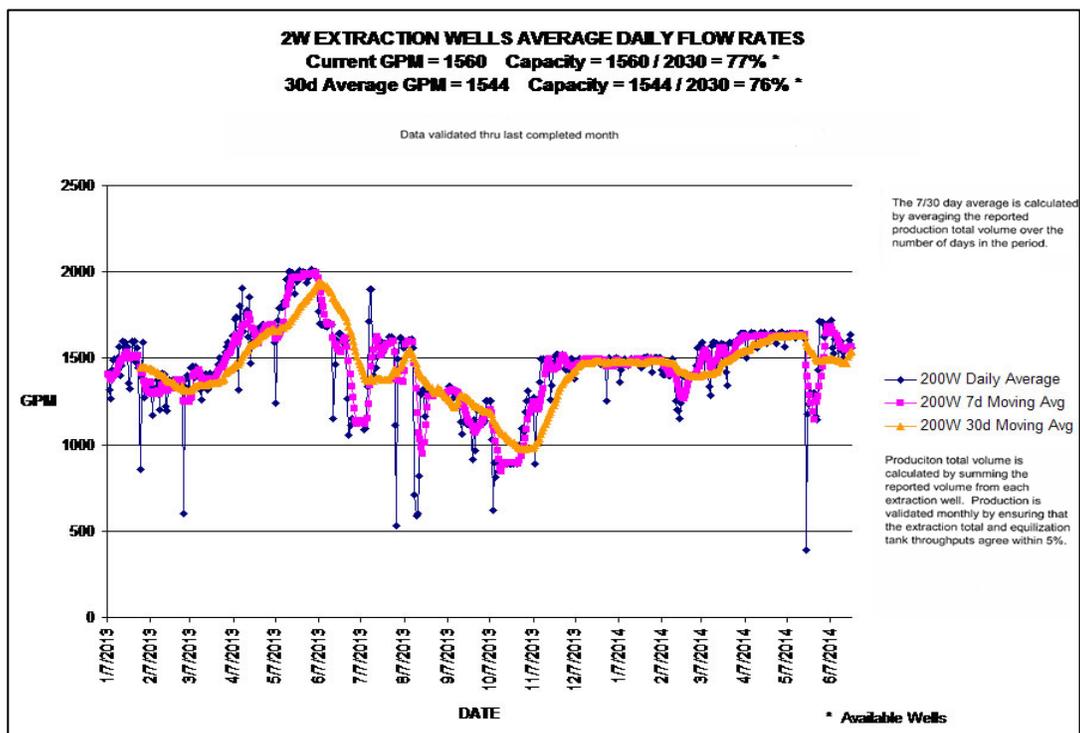
- The B Area perched water extraction system removed 6,763 gallons in June, bringing the total volume of perched water removed to 212,820 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of June:

Contaminant	June	Cumulative (since startup)
Tc-99	1.3 E-04 Ci	26.8 E-03 Ci
Uranium	2.0 kg	45.4 kg
Nitrates	14.1 kg	433.8 kg

**FY2014 P&T Operations**



## 200 West P&amp;T Operations



## MAJOR ISSUES

**Issue** – Tribal approval of the Section 106 Cultural Review Document that will allow injection of apatite in the 100-NR-2 barrier wells has been delayed. Approval of this document is required before construction of the 100-NR-2 apatite barrier can begin. This delay has impacted our ability to complete the installation of an additional 1,000-ft of the barrier this fiscal year during high water.

**Corrective Action** – Three field tours of the 100-NR-2 apatite barrier have been provided to the Nez Perce, Umatilla, and Yakama. The Section 106 Cultural Review Document was revised to include only the scope associated with apatite aquifer injection and resubmitted in April for Tribal approval. The 30-day review period on the resubmitted document ended on May 26, 2014 without approval.

**Status** – Follow-up meetings between RL and the Tribes have not been successful in obtaining their approval of the cultural review. The Section 106 Cultural Review Document is now planned to be revised to include both the apatite barrier and vadose zone jet injection scope, which may result in an August approval. A Memorandum of Agreement is being prepared to address mitigation of past damages. Due to the delay, the project is evaluating options for apatite injection during lower water periods.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Working - No Concerns  
 Working - Concern  
 Working - Critical

 Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-030/WBS 030</b>				
<p><b>SGW-045: Regulator Comments Change Requirements</b></p> <p><b>SGW-008: Regulatory Documents Result in Significant Comments from Regulators</b></p>	<p>A standardized approach has been developed to quickly evaluate and categorize comments for resolution. This process also identifies comments that will require management attention in order to achieve resolution. For significant comments, white papers are prepared for RL management concurrence. These white papers then form the basis to help resolve significant comments with the agencies. In addition, routine meetings are conducted to address agency comments and to remain current on the influences from agencies.</p>			<p>Continue to work open issues with RL and Ecology. For the 100-D/H RI/FS, only two Ecology comments remain unresolved. Neither of these comments, however, impacts the preferred alternative in the PP. For 100-N, four technical position papers have been submitted to Ecology to resolve significant comments on the RI/FS, Draft A. To date, only one of the significant issues with Ecology has been resolved. It's also apparent that additional evaluation and discussions will be required to resolve the path forward for phyto-remediation in the 100-N RI/FS.</p>
<p><b>SGW-004: Cultural Resource Reviews</b></p>	<p>Obtain cultural/ecological reviews before design progresses. Walk downs with cultural resource review teams (tribal, DOE, Engineering, etc.) to start early and be performed periodically throughout the process. Assign contractors to other activities while awaiting results. Work with the State Archeological and Historical Preservation office.</p>			<p>CHPRC continues to work with MSA to accelerate cultural reviews for existing work and is developing a strategy for conducting areal reviews to eliminate the need for project by project reviews in the same areas. Several meetings have been held with the Tribes to help resolve their specific concerns regarding 100-N Area. To date, these meetings have not been successful and as a result, installation of the 100-N apatite barrier has been delayed. A revised Section 6 "Cultural Resources Review (CRR)" is planned to submit to RL from MSA on July 1, 2014 with a Draft MOA attached. This will trigger a new 30-day review.</p>
<p><b>OPPORTUNITY: SGW-007A: Sampling Requirement Reduction SGW-007B: Analytical Reduction</b></p>	<p>Sampling reduction can be achieved by combining sample sites, promptly removing sample sites from the list once characterization is established to support regulatory down-posting, work with regulatory agencies to minimize sample sites and sampling frequencies (i.e. quarterly to yearly). Analytical and laboratory characterization can be achieved by working with regulatory agencies to minimize the analysis required, determining a standardized analyses runs, and working with the laboratories to streamline data validation processes.</p>			<p>Several actions are underway to implement this opportunity. First, a plan to reduce the number of overall SAPs and associated sampling over the next three years was provided to RL on March 30, 2014. RL's comments have been incorporated and the revised plan was provided to RL on April 29, 2014. RL's comments on the revised plan are expected in July. In accordance with this plan, three revised monitoring plans (100-K, 100-D/H, and 200-PO-1) have been provided to RL for review. Two of the three monitoring plans have been reviewed RL's SAP Review Panel and comments are being incorporated.</p>
<p><b>SGW-160: Failed Well Trips</b></p>	<p>Develop pre-sample inspection and performance plans for each well or well network. Perform pre-inspection trips to ensure the well can be accessed and include IH monitoring during the pre-inspection trip. Combine multiple well trips into one sampling event based on results of pre-sample inspection results. Utilize established procedures to respond to failed motors/equipment, high IH readings, and when to identify stop-work when conditions are outside established protocols. Reassign sampling crews to other wells if alternate work is available.</p>			<p>Preinspections continue to avoid failed trips.</p>

SGW-159: Ability to Maintain Flow Rates through Pump and Treat Units	Acquire technical specialist in bio-reactor operation at 200 West P&T to oversee the complexity associated with the water volume/flow and evaluate optimization and nutrient additions to the bed reactor. Installation of additional extraction or injection wells is required to boost pumping rates to 2,000 gpm. Routine well maintenance/equipment maintenance program is essential to maximize operational efficiency and minimize down-time.	●	↔	Response Plan effective.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.	●	↔	Response Plan effective.
SGW-135: Major Equipment Failure at a Pump & Treat	For the P&T facilities, maintenance will continue with the established Preventative Maintenance and Corrective Maintenance program. Utilize trending to monitor precipitate and bio-fouling of injection wells. Utilize trends to optimize well cleaning frequency to keep injection wells clear of precipitate and bio-fouling. Install additional injection wells to increase injection capacity and plan down-time for injection well cleaning cycles. Continue staff training on equipment and processes. Maintain spare-parts inventory.	●	↔	Pump and treat plants operating as designed. 200-West P&T continuing to experience higher than planned maintenance due to injection well bio-fouling and instrumentation issues.

### PROJECT BASELINE PERFORMANCE Current Month (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.6	9.2	8.0	(0.4)	-4.5	1.2	13.0

Numbers are rounded to the nearest \$0.1M.

**CM Schedule Performance (-\$0.4M/-4.5%)** Variance is within reporting thresholds.

**CM Cost Performance (+\$1.2M/+13.0%)** The positive cost variance resulted from the following:

- Geophysical logging was budgeted as LOE and so far during FY2014 fewer wells have been drilled or decommissioned resulting in less geophysical logging. In addition at the beginning of FY2014 the geophysical logging subcontract was renegotiated with lower rates.
- With the transition to offsite laboratories, the project inadvertently failed to accrue for these costs in June. The accrual will be corrected in July.
- BCR-03014-016R0, *Transfer of 300 Are Uranium Treatment from CLIN 7 & Replanning*, was implemented in June. This change request modified the PMB to align with the recently issued 300 Area Record of Decision. Implementation of this change resulted in positive cost performance in the current period.
- Fleet services support required less inspection and maintenance work than planned, partly due to some monthly inspections being changed to as-needed inspections.

## 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	980.0	981.4	968.1	1.5	0.1	13.3	1.4	1,510.9	1,478.3	32.6

Numbers are rounded to the nearest \$0.1M.

### CTD Schedule Performance (+\$1.5M/+0.1%)

Variance is within reporting thresholds.

### CTD Cost Performance (+\$13.3M/+1.4%)

Variance is within reporting thresholds.

### Estimate at Completion (EAC)

The Estimate at Completion change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

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

RL-0030 Soil and Groundwater Remediation	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	121.5	112.2	9.3

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Projected Funding remained unchanged at \$121.5M. Spending forecast has been reduced to reflect impacts of the delay with the cultural and ecological review on the apatite injections.

### Critical Path Schedule

Critical path analysis can be provided upon request.

### Baseline Change Requests

BCR-030-14-015R0 - CO #255, Installation of AWLN in 100-KR-4 and 100-HR-3 OU  
 BCR-030-14-016R0 - Transfer of 300 Area Uranium Treatment from CLIN7 & Replanning  
 BCR-030-14-017R0 - FLEDG II Software & Cost Estimating System Upgrades  
 BCR-PRC-14-14-018R0 - Modify Activity IDs

### FY2014 Management Reserve (Funded): \$0.75M

No FY2014 management reserve was used during June.



## MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-65	RL Shall Complete Construction of all Wells Listed	TPA	12/31/14	10/2/13		Complete. 14-AMRP-0196 dated June 2, 2014, shows completion date October 2, 2013.
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14	5/19/14		Complete
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr. FY2014 Burial Ground Sample Results	TPA	6/15/14	5/22/14		Complete
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14	6/23/14		Complete
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			Resolution dispute was extended on June 17, 2014, via TPA change notice to August 30, 2014. Negotiations are underway to revise the milestone due date.
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			Resolution dispute was extended on June 17, 2014, via TPA change notice to July 30, 2014. Negotiations are underway to revise the milestone due date.
M-024-65-T01	Conclude Discussions of Well Commitments	TPA	8/1/14		8/1/14	On schedule
M-091-40L-043	PMM Submittal Apr-Jun 3rd Qtr. FY2014 Burial Ground Sample Results	TPA	9/15/14		9/15/14	On schedule
M-015-38B	Submit Revised FS & PP for 200-CW-1, 200-CW-3, & 200-OA-1 Operable Units	TPA	10/30/14			Milestone is not funded in FY2014 and will be re-planned. A letter requesting an extension is planned to be sent to Ecology in July.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-91-40L-044	PMM Submittal Jul-Sep 4th Qtr. FY2014 Burial Ground Sample Results	TPA	12/15/14		12/15/14	On schedule
M-091-40L-045	PMM submittal Oct-Dec 1st Qtr. FY2015 Burial Ground Sample Results	TPA	3/15/15		3/15/15	On schedule
M-015-110A	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology	TPA	3/31/15		9/15/14	On schedule
M-024-58H	Initiate Discussions of Well Commitments	TPA	6/1/15		6/1/15	On schedule
M-091-40L-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15		6/15/15	On schedule
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15			Milestone is not funded in FY2014 and will be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15			Milestone is not funded in FY2014 and will be missed.

## SELF-PERFORMED WORK

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

## GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

# Section E

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



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

**June 2014**  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, correcting posting issues), conducted 72 radiological facility surveillances, and completed 52 preventive maintenance (PM) activities. The project also completed abatement for PUREX Tank 11.

### EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

### 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	2	N/A
Near-Misses	0	0	N/A

### KEY ACCOMPLISHMENTS

- Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
- Completed:
  - o 72 radiological facility surveillances
  - o 52 preventive maintenance (PM) activities
  - o Miscellaneous facilities surveillances
- Completed Plutonium Uranium Extraction Plant (PUREX) Tank 11 asbestos abatement on June 19, 2014
  - o Applied fixatives on Tank 11 and containment tent
  - o Initiated removal of containment tent

- Continued planning/preparing work packages for steamline removal buy back work
- Construction Yard Facilities Demolition
  - o Continued work package preparation
  - o Completed construction yard cleanup
  - o Completed ground scans and excavation permit

### MAJOR ISSUES

**Issue** – Herbicide application suspended three times in two weeks due to other Hanford (OHC) workforce odor concerns

**Corrective Action** – Work with OHC Industrial Hygienist (IH)/Industrial Safety (IS) to resolve

**Status** – Working with MSA on weekly herbicide spraying and pest control schedule. Although the window for herbicide effectiveness is narrow and conducive weather conditions are difficult to predict, this process has improved ability to conduct work without herbicide application interference, and this issue will be closed.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Risk Response Effective  
 Risk Response Partially Effective  
 Risk Response Not Effective

 Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0040</b>				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			PUREX Tank 11 asbestos abatement is complete, working demobilization activities.
D4-064: Aging Building Systems/Components	The facilities have been placed in Surveillance and Maintenance mode. Perform as-scheduled maintenance activities. Perform appropriate regulatory agency and DOE notifications for system failures or prolonged outage. Continually evaluate system maintenance frequencies.			No issues for the current month.

D4-067: Increased Asbestos Abatement	Minimal pre-mitigation is possible. Conduct asbestos abatement to maintain a safe and complaint work site.	●	↔	Developing prioritization of abandoned steam line removal sections with additional funding. Received authorization to repair/abate ~1,100 linear feet of steam line.
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## 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	1.0	1.1	0.9	0.1	8.4%	0.1	13.3%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance: (+\$0.1M/+8.4%)**

Variance is within threshold.

**CM Cost Performance: (+\$0.1M/+13.3%)**

Variance is within 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	385.3	384.7	354.5	(0.6)	-0.2%	30.2	7.9%	491.9	459.8	32.2

Numbers are rounded to the nearest \$0.1M

**CTD Schedule Performance: (-\$0.6M/-0.2%)**

Variance is within threshold.

**CTD Cost Performance: (+\$30.2M/+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 (\$2.6M), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0M), lower than planned capital equipment costs (\$3.0M) and efficiencies with Arid Lands Ecology (ALE) (\$3.7M), North Slope Facilities (\$1.2M), disposition of railcars D&D (\$2.1M), and Industrial 7 Project (\$3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (\$-15.3M). Efficiencies in Outer Area Waste Sites (\$6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, ERDF passback which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.3M) 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

(\$1.5M), S&M costs less than expected (\$4.1M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$3.0M) and under run in overhead allocations (\$1.6M).

**Variance at Completion (+\$32.2M/+6.5%)**

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

**Contract Performance Report Formats are provided in Appendix A.**

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2014		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	13.2	12.4	0.8

Numbers are rounded to the nearest \$0.1M.

**Funds/Variance Analysis**

Projected Funding remained unchanged from May. Change in spend forecast from \$12.8 to \$12.4 is associated with expected efficiencies in PUREX Tank 11 and the demolition of Construction Forces facilities.

**Critical Path Schedule**

Critical path analysis can be provided upon request.

**Baseline Change Requests**

None currently identified.

**MILESTONE STATUS**

None currently identified.

**SELF-PERFORMED WORK**

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

**GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)**

None currently identified.

# Section F

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



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

**June 2014**  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Completed 105KE Roof repair. Continued work planning for 100K Characterization Wells high risk drilling. Completed routine surveillances. Completed work package preparation for utility isolation at MO-293 and MO-442 in support of planned demolition.

## EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

## 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

- 105KE Roof Repair:
  - o Project was completed on June 19, 2014
- 100K Characterization Wells:
  - o Continued work planning for high risk drilling
  - o Incorporated RL comments on sampling instruction document
- 100K Head House Area Demolition
  - o Completed work packages for utility isolation at MO-293 and MO-442 removal
  - o Submitted service requests to MSA for their support in mechanical (water) and electrical isolations
- Completed Surveillances
  - o Radiological – 4
  - o WIDS – 6

## MAJOR ISSUES

None at this time.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

 Risk Response Effective  
 Risk Response Partially Effective  
 Risk Response Not Effective

 Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0041</b>				
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-043: Waste Site Remediation Completion Requirements	Regulator acceptance that cleanup criteria have been achieved on a waste site by waste site basis. The Project may be directed to install monitoring wells to determine if contamination is detected in ground water.			Installation of two additional KE Characterization wells. UPR-100-K1; 116-KE-3. Buy Back authorized \$1.1M (~\$500K in 2014 FYSF). <b>Change proposal submitted for first phase (planning) of the work scope.</b>
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			No concerns.
KBC-ISS-004: Unforeseen Facility Event Impacts Safety or Environment	The ISMS processes and facility worker training will identify and correct weaknesses such that hazards are eliminated prior to an event. However, some events are unpredictable.			105KE roof <b>repair complete.</b>

## PROJECT BASELINE PERFORMANCE

**Current Month**  
**(\$M)**

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.7	0.8	0.3	0.1	9.8%	0.5	64.7%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (+\$0.1M/+9.8%)

The variance is within reporting threshold.

#### CM Cost Performance (+\$0.5M/+64.7%)

The current month favorable cost variance is due to the implementation of planned efficiencies in the Program Management accounts. The project is able to perform planned work while being able to direct resources to other CHPRC priority work scope. This is the result of aggressive resource sharing strategies across multiple PBSs.

## 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	307.8	307.9	281.7	0.1	0.0%	26.2	8.5%	393.6	368.3	25.3

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within threshold.

### CTD Cost Performance (+\$26.2M/+8.5%)

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

### Variance at Completion (+\$25.3M/+6.4%)

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

**Contract Performance Report Formats are provided in Appendix A.**

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

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2014		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	10.1	5.8	4.2

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis:

Projected Funding is unchanged from the prior month and remains at \$10.1M. The change in FY2014 Spending Forecast from \$7.5M to \$5.8M is associated with the deferral of forecasted mobilization for waste site remediation (due to competing priorities) and delays in forecasted 100K high-risk characterization activities.

### Critical Path Schedule

Critical Path Analysis can be provided upon request.

### Baseline Change Requests

BCR-041-14-002R0 - CO #253 NTE, Supplementary Characterization of UPR-100-K-1 & 116-KE-3 Waste Sites

## **MILESTONE STATUS**

None currently identified.

## **SELF-PERFORMED WORK**

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

## **GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)**

None currently identified.

# Section G

## Fast Flux Test Facility Closure (RL-0042)



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

**June 2014**  
**CHPRC-2014-06, 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

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

## TARGET ZERO PERFORMANCE

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

## KEY ACCOMPLISHMENTS

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

## MAJOR ISSUES

**Issue** – Fire System devices are degrading due to the age of the equipment (e.g. pull-boxes, chimes)

**Corrective Action** – Work with the Fire System Maintenance organization to complete timely repairs of affected equipment.

**Status** – Continuing preparations of new work packages to perform repairs as resources become available.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0042</b>				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing Corrective Maintenance activities. No unplanned events encountered.

### PROJECT BASELINE PERFORMANCE

**Current Month**  
**(\$M)**

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.1	0.1	(0.0)	-5.0%	0.1	45.6%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance: (-\$0.0M/-5.0%)**  
 The current period schedule variance is within threshold.

**CM Cost Performance: (+\$0.1M/+45.6%)**  
 The current period cost variance is within threshold.

**Contract-to-Date**  
**(\$M)**

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	17.6	17.6	14.8	(0.0)	-0.0%	2.7	15.6%	26.5	24.2	2.4

Numbers are rounded to the nearest \$0.1M

**CTD Schedule Performance (-\$0.0M/-0.0%)**  
 The schedule variance is within reporting thresholds.

**CTD Cost Performance (+\$2.7M/+15.6%)**  
 The favorable CTD cost variance reflects efficient use of resources to support deactivation activities.

**Variance at Completion (+\$2.4M/+8.9%)**  
 The Variance at Completion is within reporting thresholds.

**Contract Performance Report Formats are provided in Appendix A.**

## FUNDS VS. SPEND FORECAST (\$M)

FY2014			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.3	1.7	0.6

Numbers are rounded to the nearest \$0.1M

### Funds Analysis

Projected Funding and Spending Forecast are unchanged from the prior month.

### Critical Path Schedule

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

### Baseline Change Requests

None at this time.

## 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



June 2014  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM				4. REPORT PERIOD					
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract				a. FROM (YYYYMMDD)  2014 / 05 / 26					
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD)  2014 / 06 / 22						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,468,189	15,590		228,491	5,696,680	5,587,129	5,696,680	5,587,129								
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Corman, R. K.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,276,786						c. SIGNATURE			d. DATE SIGNED 6/22/2014					
b. WORST CASE		5,426,932														
c. MOST LIKELY		5,358,638		5,483,779		125,141										
8. PERFORMANCE DATA																
WBS[1]  ITEM (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)						
011 RL-11 NM Stabilization and Disposition PFP	7,912	5,577	7,042	(2,335)	(1,466)	701,249	673,754	709,208	(27,494)	(35,454)	0	0	0	935,378	965,660	(30,282)
012 RL-12 SNF Stabilization and Disposition	4,327	5,732	6,899	1,405	(1,168)	422,791	424,045	434,316	1,254	(10,271)	0	0	0	692,566	708,755	(16,189)
013 RL-13 Solid Waste Stabilization & Disposition	6,845	6,639	5,783	(206)	857	854,289	854,671	824,155	383	30,517	0	0	0	1,342,047	1,271,900	70,147
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	9,607	9,174	7,985	(432)	1,190	979,898	981,365	968,105	1,467	13,260	0	0	0	1,510,875	1,478,262	32,613
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,011	1,096	950	85	146	385,313	384,669	354,456	(644)	30,214	0	0	0	491,925	459,755	32,169
041 RL-41 Nuclear Facility D&D - River Corridor	712	782	276	69	506	307,827	307,909	281,692	83	26,217	0	0	0	393,592	368,302	25,290
042 RL-42 FFTF Closure	155	147	80	(8)	67	17,589	17,580	14,834	(8)	2,746	0	0	0	26,508	24,152	2,356
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	30,569	29,147	29,014	(1,422)	132	3,668,955	3,643,994	3,586,765	(24,960)	57,229	0	0	0	5,392,891	5,276,786	116,105
f. Management Reserve														81,852		
g. Total	30,569	29,147	29,014	(1,422)	132	3,668,955	3,643,994	3,586,765	(24,960)	57,229	0	0	0	5,474,742		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									(24,960)	57,229				5,474,742	5,276,786	197,956

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

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN - Thousands of \$			FORM APPROVED OMB No. 0704-0188				
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD										
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014 / 05 / 26										
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2014 / 06 / 22										
c. TYPE CPAF		d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009													
5. PERFORMANCE DATA																		
ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE						REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST		VARIANCE		BUDGETED COST		ACTUAL COST		VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)								
34 - Env'r Program & Strategic Planning	496	611	435	116	176	46,409	46,703	42,750	294	3,953	0	0	0	0	0	83,054	78,055	4,999
340 - Environmental Prog & Regl Mgt	496	611	435	116	176	46,409	46,703	42,750	294	3,953	0	0	0	0	0	83,054	78,055	4,999
35 - Business Services	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	0	0	23,047	23,520	(473)
35D - Contract Mgmt & Facility Svcs	0	0	0	0	0	429,349	429,349	405,709	0	23,640	0	0	0	0	0	429,349	405,709	23,640
35K - PRC Finance	0	0	0	0	0	452,396	452,396	429,230	0	23,167	0	0	0	0	0	452,396	429,230	23,167
36 - Prime Cont & Project Integration	141	78	139	(63)	(61)	745	592	441	(152)	151	0	0	0	0	0	1,215	1,169	46
362 - Strategic Pln & Mgmt	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	0	0	20,128	20,128	0
363 - EVMS Compl & Rptg	141	78	139	(63)	(61)	20,872	20,720	20,569	(152)	151	0	0	0	0	0	21,343	21,296	46
38 - Project Technical Services	0	0	0	0	0	(0)	(0)	0	0	(0)	0	0	0	0	0	(0)	0	(0)
382 - Training & Procedures	1,740	2,779	4,514	1,038	(1,735)	34,920	36,072	57,404	1,152	(21,332)	0	0	0	0	0	95,413	123,226	(27,813)
385 - K Annex Construction & ECRTS	1,740	2,779	4,514	1,038	(1,735)	34,920	36,072	57,404	1,152	(21,332)	0	0	0	0	0	95,413	123,226	(27,813)
3B - PFP Closure	1,926	1,079	2,495	(847)	(1,416)	131,361	124,182	139,894	(7,178)	(15,712)	0	0	0	0	0	201,579	215,083	(13,504)
3B0 - PFP Close/BOSS D&D & Infrastruc	2,383	1,056	1,259	(1,327)	(202)	130,390	121,572	130,221	(8,818)	(8,649)	0	0	0	0	0	185,771	196,741	(10,969)
3B3 - Project Management/Subcontracts	1,370	1,370	889	0	481	42,652	42,652	36,869	(0)	5,783	0	0	0	0	0	74,095	68,748	5,348
3B4 - Engrg Nuc Saf Ping&Wrk Control	640	625	537	(15)	88	49,755	49,973	40,654	218	9,319	0	0	0	0	0	73,244	66,673	6,571
3B7 - Environmental & Waste	962	955	1,051	(6)	(96)	145,495	145,494	148,351	(1)	(2,857)	0	0	0	0	0	168,021	171,251	(3,230)
3BA - Project Mgmt D&D	1,239	1,167	1,081	(71)	86	355,352	343,720	350,493	(11,632)	(6,773)	0	0	0	0	0	464,326	463,448	878
3BB - PFP D4 Deputy Project Mgmt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3BD - PFP Cold & Dark	8,519	6,253	7,312	(2,266)	(1,059)	855,004	827,592	846,482	(27,412)	(18,890)	0	0	0	0	0	1,167,037	1,181,944	(14,907)
3C - W&FMP/D&DD Project	2,587	2,953	2,386	366	567	338,301	338,403	331,012	102	7,390	0	0	0	0	0	547,583	539,629	7,954
3AD - Sludge Treatment Project	2,121	2,106	1,329	(15)	777	189,787	189,708	196,431	(79)	(6,723)	0	0	0	0	0	318,432	312,464	5,969
3C4 - Waste & Fuels Project Controls	0	0	0	0	0	49,140	49,140	52,386	(0)	(3,247)	0	0	0	0	0	49,140	52,386	(3,247)
3C5 - TRU Project	2,744	2,888	2,796	144	92	176,351	176,695	166,138	344	10,556	0	0	0	0	0	398,536	382,531	16,005
3C9 - Liquid & Fuels Storage	0	0	0	0	0	0	0	1	0	(1)	0	0	0	0	0	0	1	(1)
3CA - W&FMP Engineering	3,109	2,915	2,554	(194)	361	719,826	719,444	676,405	(382)	43,039	0	0	0	0	0	979,675	913,214	66,460
3CD - Waste Disposition	10,562	10,863	9,065	300	1,798	1,473,404	1,473,389	1,422,374	(15)	51,014	0	0	0	0	0	2,293,366	2,200,226	93,140
3D - Soil & Groundwater Remediation	1,561	1,783	957	222	826	95,441	95,449	97,444	8	(1,994)	0	0	0	0	0	194,715	184,946	9,768
3D0 - Soil & Groundwater Remediation	1,773	1,678	1,490	(95)	188	143,291	143,692	133,874	400	9,818	0	0	0	0	0	256,777	242,523	14,254
3D2 - GW Remediation Support	1,116	1,113	1,031	(4)	82	94,077	94,068	80,724	(8)	13,344	0	0	0	0	0	164,429	150,684	13,745
3D4 - GW Operations	4,660	3,989	4,072	(671)	(83)	453,140	453,913	455,914	773	(2,001)	0	0	0	0	0	664,360	664,654	(294)
3D8 - GW Analysis and Reporting	9,111	8,563	7,549	(548)	1,014	785,949	787,122	767,956	1,173	19,166	0	0	0	0	0	1,280,281	1,242,808	37,473
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																		
e. Sub Total	30,569	29,147	29,014	(1,422)	132	3,668,955	3,643,994	3,586,765	(24,960)	57,229	0	0	0	0	0	5,392,891	5,276,786	116,105
f. Management Resrv.																81,852		
g. Total	30,569	29,147	29,014	(1,422)	132	3,668,955	3,643,994	3,586,765	(24,960)	57,229	0	0	0	0	0	5,474,742		

FORMAT 3, DD FORM 2734/3, BASELINE

June 2014 Monthly Report

CONTRACT PERFORMANCE REPORT															Form Approved			
FORMAT 3 - BASELINE										DOLLARS IN THOUSANDS					OMB No. 0704-0188			
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA					2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:					3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					4. REPORT PERIOD a. FROM: 2014/05/26 b. TO: 2014/06/22			
5. CONTRACT DATA																		
a. ORIGINAL NEGOTIATED COST 4,312,366					b. NEGOTIATED CONTRACT CHANGE \$1,155,823		c. CURRENT NEGOTIATED COST (A + B) \$5,468,189		d. ESTIMATED COST AUTH UNPRICED WORK \$15,590		e. CONTRACT BUDGET BASE (C + D) \$5,483,779		f. TOTAL ALLOCATED BUDGET \$5,474,742			g. DIFFERENCE (E - F) \$9,037		
h. CONTRACT START DATE 6/19/2008					i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018							
6. PERFORMANCE DATA																		
ITEM  (1)			BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)		
					SIX MONTH FORECAST						FY09-13 (10)	FY14 (11)	FY15 (12)	FY16 (13)			FY17 (14)	FY18 (15)
	+1 Jul-14 (4)	+2 Aug-14 (5)	+3 Sep-14 (6)	+4 Oct-14 (7)	+5 Nov-14 (8)	+6 Dec-14 (9)												
a. PM BASELINE (BEGIN OF PERIOD)			3,668,598	30,212	30,161	39,709	42,158	28,150	32,076	28,909	3,391,477	389,148	434,727	430,276	373,206	377,396	0	5,396,230
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																		
BCR-011-14-004R0, FY2015 Base Year Shift Adjustment												0	0	0			0	
BCR-011-14-005R0, Schedule Logic Correction												(0)	(0)				(0)	
BCR-012-14-004R0, In-basin Construction and T Plant Modification WBS Revision												(0)	(0)				(0)	
BCR-013-14-013R0, Definitization of CO #236, RTS Transfer to WCH												(33)	(209)	(187)	(233)	(237)	(900)	
BCR-013-14-014R0, CO #188, IDF Performance Assessment												291					291	
BCR-030-14-015R0, CO #255, Installation of AWLN in 100-KR-4 and 100-HR-3 OU												240					240	
BCR-030-14-016R0, Transfer 300 Area Treatment from CLIN 7 & Replanning												641	3,950	699	(2,211)	(6,519)	(3,440)	
BCR-030-14-017R0, FLEDGE II Software & Cost Estimating System Upgrades													0	0			0	
BCR-041-14-002R0, CO #253, Supplementary Characterization of UPR-100-K-1 & 116-KE-3 Waste Sites												469					469	
BCR-PRC-14-018R0, Modify Activity IDs																	0	
c. PM BASELINE (END OF PERIOD)			3,668,955	30,569	30,479	40,267	42,532	28,308	32,175	29,036	3,391,477	390,756	438,469	430,788	370,762	370,639	0	5,392,891
7. MANAGEMENT RESERVE																		
																81,852		
8. TOTAL																		
																5,474,742		

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

CONTRACT PERFORMANCE REPORT											CLASSIFICATION (When Filled In)	
FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2014 / 05 / 26		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD)		
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE YES 9/18/2009			2014 / 06 / 22		
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)												
Organizational Breakdown Structure (OBS)  ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST							FY15-18 (13)		
			+1 Jul (4)	+2 Aug (5)	+3 Sep (6)	+4 Oct (7)	+5 Nov (8)	+6 Dec (9)				
<b>303 - Internal Audit</b>												
303 - Internal Audit	4	294	4	4	5	4	4	4	4	176	495	
	<b>4</b>	<b>294</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>176</b>	<b>495</b>	
<b>304 - General Counsel</b>												
304 - General Counsel	5	282	5	5	4	4	4	4	4	176	484	
	<b>5</b>	<b>282</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>176</b>	<b>484</b>	
<b>31 - Communications</b>												
310 - Communications	7	682	10	10	10	7	7	7	7	309	1,041	
	<b>7</b>	<b>682</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>309</b>	<b>1,042</b>	
<b>32 - Safety, Health, Security &amp; Quality</b>												
320 - Safety Health Security/Quality	27	1,929	27	28	28	25	25	25	1,080	3,165		
321 - RAD PRO/Emergency Prep	8	769	8	8	8	8	8	8	366	1,185		
322 - Nuclear Ops Supp & Compliance	6	701	7	7	7	8	8	4	334	1,075		
324 - Quality Assurance	14	1,605	16	16	16	16	16	16	715	2,418		
	<b>55</b>	<b>5,004</b>	<b>59</b>	<b>60</b>	<b>60</b>	<b>57</b>	<b>57</b>	<b>53</b>	<b>2,494</b>	<b>7,844</b>		
<b>34 - Environmental Prog &amp; Strategic Planning</b>												
340 - Environmental Prog & Regl Mgt	44	2,197	42	43	42	44	44	44	2,117	4,574		
341 - Environmental Protection	0	1,000	0	0	0	0	0	0	0	1,000		
	<b>44</b>	<b>3,197</b>	<b>42</b>	<b>43</b>	<b>42</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>2,117</b>	<b>5,574</b>		
<b>35 - Business Services</b>												
35D - Contract Mgmt & Facility Svcs	27	3,076	31	28	28	28	28	28	1,246	4,495		
35F - Industrial Relations	4	348	4	4	4	5	5	5	209	583		
35H - Human Resources	16	973	15	15	15	14	14	14	605	1,664		
35K - PRC Finance	18	1,318	17	17	17	16	16	16	715	2,132		
	<b>66</b>	<b>5,715</b>	<b>67</b>	<b>64</b>	<b>64</b>	<b>63</b>	<b>63</b>	<b>63</b>	<b>2,775</b>	<b>8,874</b>		
<b>36 - Prime Contract &amp; Project Integration</b>												
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	1		
361 - Cont Compl & Change Mgmt	11	526	13	13	13	13	13	13	572	1,175		
362 - Strategic Pln & Mgmt	20	1,219	22	22	22	19	19	19	836	2,179		
363 - EVMS Compl & Rptg	13	1,245	16	16	16	14	14	14	616	1,951		
	<b>44</b>	<b>2,992</b>	<b>51</b>	<b>51</b>	<b>51</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>2,024</b>	<b>5,307</b>		
<b>38 - Project Technical Services</b>												
381 - Central Engineering	8	534	11	10	10	9	9	10	410	1,003		
382 - Training & Procedures	9	2,063	10	10	10	9	8	9	375	2,493		
383 - Operations Programs	8	745	8	8	8	6	6	6	264	1,051		
384 - Project Delivery	20	1,034	11	11	10	8	8	8	352	1,441		
385 - K Annex Construction & ECRTS	50	1,500	42	39	39	50	50	62	1,391	3,174		
	<b>95</b>	<b>5,876</b>	<b>81</b>	<b>78</b>	<b>78</b>	<b>82</b>	<b>82</b>	<b>94</b>	<b>2,792</b>	<b>9,163</b>		
<b>3B - PFP Closure</b>												
3B0 - PFP Close/BOSS D&D & Infrastruc	100	4,639	87	83	82	52	53	50	1,653	6,698		
3B3 - Project Management/Subcontracts	60	6,491	84	99	98	112	118	123	1,715	8,838		
3B4 - Engrg Nuc Saf Plng&Wrk Control	54	1,906	60	59	59	79	79	79	1,210	3,529		
3B7 - Environmental & Waste	27	2,539	29	32	34	39	42	40	764	3,518		
3BA - Project Mgmt D&D	64	10,524	69	68	68	62	62	62	864	11,780		
3BB - PFP D4 Deputy Project Mgmt	67	15,684	75	88	84	111	82	94	3,876	20,094		
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0		
	<b>371</b>	<b>41,783</b>	<b>404</b>	<b>428</b>	<b>424</b>	<b>453</b>	<b>435</b>	<b>447</b>	<b>10,083</b>	<b>54,458</b>		
<b>3C - W&amp;FMP/D&amp;D Project</b>												
3AD - Sludge Treatment Project	129	14,939	126	126	126	153	153	146	6,898	22,667		
3C4 - Waste & Fuels Project Controls	58	6,304	48	47	47	63	63	64	2,800	9,434		
3C5 - TRU Project	0	582	0	0	0	0	0	0	0	582		
3C9 - Liquid & Fuels Storage	143	10,423	154	150	150	138	136	138	6,776	18,067		
3CD - Waste Disposition	156	32,955	158	151	136	151	151	154	8,202	42,058		
	<b>486</b>	<b>65,203</b>	<b>486</b>	<b>474</b>	<b>458</b>	<b>505</b>	<b>503</b>	<b>503</b>	<b>24,675</b>	<b>92,808</b>		
<b>3D - Soil &amp; Groundwater Remediation</b>												
3D0 - Soil & Groundwater Remediation	39	2,761	35	37	37	39	39	39	1,723	4,711		
3D2 - GW Remediation Support	55	5,407	62	63	65	62	62	65	2,785	8,571		
3D4 - GW Operations	53	4,661	54	52	52	56	56	56	2,484	7,470		
3D8 - GW Analysis and Reporting	125	11,021	136	128	129	117	124	138	5,376	17,170		
	<b>271</b>	<b>23,851</b>	<b>287</b>	<b>280</b>	<b>283</b>	<b>275</b>	<b>281</b>	<b>298</b>	<b>12,369</b>	<b>37,923</b>		
<b>Grand Totals:</b>	<b>1,446</b>	<b>154,879</b>	<b>1,498</b>	<b>1,495</b>	<b>1,478</b>	<b>1,540</b>	<b>1,526</b>	<b>1,564</b>	<b>59,990</b>	<b>223,971</b>		

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>			<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>		
<b>a. NAME</b> CH2M HILL Plateau Remediation Company		<b>a. NAME</b> Plateau Remediation Contract			<b>a. NAME</b> Plateau Remediation Contract		<b>a. FROM (YYYY/MM/DD)</b>  2014/05/26		
<b>b. LOCATION (Address and ZIP Code)</b>  Richland, WA 99354		<b>b. NUMBER</b> DE-AC06-08RL14788		<b>b. PHASE</b> Base		<b>b. TO (YYYY/MM/DD)</b>  2014/06/22			
		<b>c. TYPE</b> CPAF	<b>d. SHARE RATIO</b>	<b>c. EVMS ACCEPTANCE</b> 2009/09/18 NO YES X					
	<b>BCWS</b>	<b>BCWP</b>	<b>ACWP</b>	<b>SV in \$</b>	<b>SV in %</b>	<b>CV in \$</b>	<b>CV %</b>	<b>SPI</b>	<b>CPI</b>
Current:	30,569	29,147	29,014	(1,422)	-4.7%	132	0.5%	0.95	1.00
Cumulative:	3,668,955	3,643,994	3,586,765	(24,960)	-0.7%	57,229	1.6%	0.99	1.02
	<b>BAC</b>	<b>EAC</b>	<b>VAC in \$</b>	<b>VAC in %</b>	<b>TCPI</b>				
At Complete:	5,392,891	5,276,786	116,105	2.2%	1.03				
<b>Explanation of Variance/Description of Problem:</b>									
<b>Current Period Schedule Variance:</b> The variance is within reporting thresholds.									
<b>Current Period Cost Variance:</b> The variance is within reporting thresholds.									
<b>Cumulative Schedule Variance:</b> The variance is within reporting thresholds.									
<b>Cumulative Cost Variance:</b> The variance is within reporting thresholds.									
<b>Impact:</b>									
<b>Current Period Schedule:</b> No significant impacts have been identified.									
<b>Current Period Cost:</b> No significant impacts have been identified.									
<b>Cumulative Schedule:</b> No significant impacts have been identified.									
<b>Cumulative Cost:</b> No significant impacts have been identified.									
<b>Corrective Action:</b>									
<b>Current Period Schedule:</b> No Corrective Actions are required.									
<b>Current Period Cost:</b> No Corrective Actions are required.									
<b>Cumulative Schedule:</b> No Corrective Actions are required.									
<b>Cumulative Cost:</b> No Corrective Actions are required.									
<b>Monthly Summary (to include technical causes of VARs, Impacts, and Corrective Action(s):</b>									
For June, the project was 4.7% behind schedule and 0.5% under planned cost. For FY2014, the project is 5.9% behind schedule and 6.6% under planned cost.									
Overall schedule performance in June was within reporting thresholds.									
Overall cost performance in June was within reporting thresholds.									
Corrective actions underway for PFP, PBS RL-0011 to include continued utilization of HAMTC collective bargaining agreement Craft Alignment, which is trending to increased time on tools, starting to recognize increased time on respirator, which will ultimately result in increasing efficiencies and recovering the negative schedule variance on the PFP project. CHPRC is also pursuing a significant change in the current PFP safety basis and criticality analysis, which if approved would allow an increase to the currently allowed fissile inventory for loading gloveboxes outside the facility. This is expected to reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage. These changes will also increase the efficiencies of future work activities and are expected to enable additional recovery of the schedule variance seen to date. PFP is also refining the DSA to a D&D mode vs. an operations mode which will allow decommissioning of the facility through alternate means. Implementation of this refined strategy, assumes implementation of the previously noted proposed changes in the PFP safety basis and criticality analysis. This will result in re-sequencing demolition activities; stabilizing some materials with grout and other stabilizers; reconfiguring the ventilation system to isolate the PRF canyon from the rest of PFP and the provision of temporary ventilation to allow stabilization and removal of the duct level utilizing equipment rather than exposing workers to the difficult work environment found there. No other specific corrective actions are planned at this time.									

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

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

**Variance in Performance BAC and EAC:** The variance at complete (VAC) between the BAC and EAC this month is a +\$116.1 million and +2.2% and is within reporting thresholds.

**Format 1 and 3 Contract Data: Contract Price Adjustments**

CPs - In Process		
	Total Authorized Unpriced Work	\$15,590
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
<b>Grand Total Adjustments</b>		<b>\$15,590</b>

**Use of Management Reserve (MR) and Fee Activity:**

**Management Reserve Utilization**

BCR Number	Title	Fiscal Year	MR
BCR-013-14-013R0	<i>Definitization of CO #236, RTS Transfer to WCH</i>	2014 - 2018	\$324K
BCR-030-14-016R0	<i>Transfer 300 Area Treatment from CLIN 7 &amp; Replanning</i>	2014 - 2018	\$3,440K

Management Reserve increased by a total of \$3,764K during June.

**Fee Activity**

BCR Number	Title	Fiscal Year	Fee
BCR-013-14-013R0	Definitization of CO #236, RTS Transfer to WCH	2014 - 2018	-\$27K

Fee decreased \$27K during June.

**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:**  
7/17/2014

**Approved by:**

**Date:**

# Appendix B

## Project Services and Support (WBS 000)



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

**M. A. Wright**  
Vice President for  
Project Technical  
Services

**June 2014**  
CHPRC-2014-06, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

**M. N. Jaraysi**  
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**V. M. Bogenberger**  
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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
14-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities. Remove 10 facilities from active occupancy status. Consolidate at PFP and eliminate 8 trailers.	09/30/14	55%
14-EMS-ADMIN-OB1-T2	Reduce depletion of environmental resources through material recycling.	Make field-released material available for reuse. Recycle office supplies and furniture from the 10 facilities per OB1-T1.	09/30/14	100%
14-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into greater than 80% of CHPRC onsite/offsite event contracts. Train staff on Zero Waste events.	09/30/14	75%
14-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Implement new RL direct funded office supply initiative with GSA. Establish green catalogues with GSA supplier.	9/30/14	40%
14-EMS-PCPI-OB1-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained by 80 total. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	09/30/14	100%
14-EMS-PCPI-OB2-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Transition CHPRC users to Thin Client workstations for energy and other cost savings measures during FY2014. Complete transition of 275 current computer desktop workstations to the environmentally friendly Thin Client environment.	09/30/14	100%
14-EMS-PTS-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	09/30/14	63%

Objective #	Objective	Target	Due Date	Status
14-EMS-PTS-OB2-T1	Evaluate compliance with Universal Waste requirements and recycling efforts.	Ensure that PTS is adequately implementing Universal Waste accumulation and storage requirements, aerosol can recycling, and other forms of recycling efforts in an efficient and compliant manner. At the end of the year evaluate and develop trending and tracking effectiveness. Document in a MOP.	09/30/14	56%

## 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	7	N/A
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

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

- SHS&Q activities to provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no SHS&Q Recordable injuries or First Aid cases during June.
- o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
  - Continued support of site-wide standards committees and site-wide steering committees.
  - Continue implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 259 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Projects have completed posting of signs and labels across the Plateau Remediation Company (PRC).
  - Continued partnering efforts with HPMC on reduction efforts for soft tissue injuries and other health issues as they arise.
  - Continue to provide support to Soil and Groundwater Remediation Project (S&GRP) Sample Management group for the transition of Industrial Hygiene (IH) sample processing from Waste Sampling and Characterization Facility (WSCF).
  - Continued support to Plutonium Finishing Plant (PFP) for use of the PremAire system to facilitate Deactivation & Decommissioning (D&D) activities in the Plutonium Reclamation Facility (PRF) canyon. Training on the respiratory portion of the system is 50 percent completed. Formal dress/undress training on the level B suit is scheduled to start on July 21.

- Provided technical support to PFP for asbestos issues with the 2704Z demolition activities.
- Continued to provide technical support to Project Technical Services (PTS) for determination of appropriate respiratory protection for welding activities, activities associated with the application of fire protective coating, and sand blasting operations.
- Provided support to PTS to set up a satellite respiratory protection issue stations at the 100K Annex site.
- Continued technical support to the PTS Hazard Review Board for the 105KE roof work.
- Provided field ergonomic evaluations within DWF&RS at the Maintenance and Storage Facility (MASF).
- Continued working with Project Facility Chemical Custodians to complete qualification cards.
- Provided support for the internal assessment of CHPRC processes for collecting, handling, and shipping IH samples as directed in correspondence 14-ESQ-0087.
- Continued efforts in implementing the Global Harmonization Standard requirements.
- o Radiological Control accomplishments:
  - Transferred 10 Canberra CAMs and 2 CAM control centers from WRAP to PFP for use as portable CAMs resulting in cost savings of \$130K.
  - Streamlined process for obtaining ACL extensions of up to 1,250 mrem for PFP personnel.
  - Provided training to PFP workers on the importance of hand protection in helping prevent contaminated wounds.
  - Implemented use of a single set (versus two pair) of anti-C's at PFP for non-intrusive work activities within posted HCAs.
  - Supported release of historical artifacts from PFP to MSA.
  - Mentored RCTs preparing for required biennial requalification testing.
  - Conducted quarterly company-level ALARA meeting.
  - Provided controller/evaluator support for several EP drill activities.
- o Nuclear Safety deliverables prepared and transmitted to RL in June include:
  - Documented Safety Analysis:
    - Letter, CHPRC-1402062, June 2, 2014, *Transmittal of the 105-K West Basin Safety Basis 2014 Annual Update for RL Approval.*
    - Letter, CHPRC-1402230 dated June 19, 2014, *Transmittal of the Canister Storage Building 2014 Safety Basis Annual Update, the Annual Unreviewed Safety Question Report, and the List of Safety Basis Documents.*
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
  - 274 Condition Reports (CRs) were screened in June:
    - No Significant issues identified
    - Five Adverse issues identified
    - 102 Track Until Fixed (TUF) issues identified
    - 57 Trend Only (TO) items identified
    - 110 Opportunity for Improvement (OFI) items identified
  - 205 CRs administratively closed.
  - 401 CR actions administratively closed.
  - Coordinated a meeting with the DNFSB to discuss the conceptual design for the WESF K-3 ventilation replacement and request for proposal on dry storage.
  - Forty-two documents were provided in response to DNFSB requests for information.
- o Performance Assurance, Quality Assurance (QA), and Assessment accomplishments:
  - Conducted apparent cause sessions to review the concern raised by DOE-RL in their core surveillance of Contractor Oversight Effectiveness (roll-up) evaluation, DOE-RL 14-OOD-0025.

- Assessment field activities were initiated for the 10 CFR 835, Subpart E, Monitoring of Individuals and Areas, surveillance activity.
- Continued evaluations of completed management assessments and provided specific mentoring and feedback to assessors and responsible managers.
- At the request of WESF/CSB facility management, provided operations support to evaluate aspects of the Control of Equipment and System Status process.
- As a result of internal workshops to review the CHPRC Assessment Program Plan and associated assessment process documents, initiated revisions to the CHPRC Management Assessment and Work Site Assessment procedures.
- Initiated actions in support of the annual assessment schedule development, including a review of contract modifications impacting Table J.2 requirements which may affect the CHPRC list of required assessments.
- Supported the extent of condition report for deferred maintenance for Operations Completed support of CHPRC Safeguards and Security Self-Assessment Report, SHS&Q-MA-2014-13006.
- Completed a review of Engineering Procedures for appropriate utilization of QA resources.
- Supported the Waste and Fuels organization in the procurement planning of the ETF Evaporator Heat Exchanger and IP-1 Transportation containers.
- Participated in the acceptance testing of the 100KW Annex HEPA ventilation system at Flanders Corporation in Greenville, NC.
- Supported the Waste and Fuels organization in their procurement of a new calibration services contractor for specialty instruments that support the sludge treatment project.
- Supported the Vitrification Plant Contractor request to provide the Suspect/Counterfeit Items materials presented at the Region X VPPPA Conference in Anchorage, Alaska.
- Performed surveillance on OCRWM Records storage locations identifying a weakness in locked cabinets.
- Completed the DOE-HQ OCRWM Audit. Fourteen Conditions Adverse to Quality (CARs) and four recommendations were identified. The review identified no Significant Conditions Adverse to Quality (SCARs). Awaiting final report.
- Status of SHS&Q Focus Areas:
  - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
  - o **Status:** Implementing Revision 2a across CHPRC.
  - o **Action:** Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 259 CHPRC facilities. Projects have completed posting the updated signs and labels. Additional personnel resources from MSA are being utilized for conducting Be assessments/characterization in PRC facilities.
  - o **Issue:** Accident & Injury Reduction.
  - o **Status:** Continue investigating recent recordable and DART injuries to determine cause, prevention and reduction.
  - o **Action:** Continuing to interface with project personnel, supporting EZACs and project safety meetings for continued focus on injury prevention. Improving TRC/DART rate trends are demonstrating that these efforts are being effective.
  - o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward.
  - o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
  - o **Action:** Supporting PFP foaming initiative, supplied breathing air system upgrade, and new NDA equipment upgrades. In June, the site respiratory protection committee approved the new breathing air system.

**Environmental Program and Strategic Planning (EP&SP)****Environmental Protection****• Compliance Status****Ecology Central Waste Complex Box and WRAP Drum Release Enforcement**

- o All initial required actions in the Ecology Agreed Order (AO) are complete with the stayed penalty reduced by 96%. Remaining 4% withheld until the ZDR-11 box is placed in a new outside container and ready for shipment.

**RCRA Permitting Progress**

- o EPA had indicated that they will extend the time to discuss the CAFO-required RCRA closure plan submittal. DOE-RL is awaiting any additional information from EPA. Actions to begin the RCRA Rev 9 permit have begun. In support of RLs offer to help the process, CHPRC initiated steps to maintain the permit schedule by creating a comprehensive project schedule, tracking progress and reporting results. This action was accepted by the regulators.

**• Environmental Management System (EMS)**

- Preparations were completed for the upcoming EMS external re-certification audit. These included a pre-audit using a combined contractor team, corrective actions relating to awareness and strengthening of our Universal Waste management.

**• Environmental Compliance & Quality Assurance (ECQA)****Accomplishments**

- o One MOP was completed on the Pre-inspection for the Annual RCRA inspection. One finding was issued as three dangerous waste containers were not elevated above ground at PW-1/UP-1/ZP-1 waste storage area. One OFI and one noteworthy practice were also issued.
- o ECQA participated in the EMS audit of MSA. The field work was completed in June. The final report has not been issued.

**Work in Progress**

- o ECQA is planning the internal Independent Assessment of the CHPRC sampling processes. The entrance meeting is scheduled for July 21, 2014.
- o Requirements have been identified for a total of 170 matrices. This process is in compliance with PRC-PRO-EP-52795, *Environmental Requirements Management*.

**Business Services****• Acquisition Planning**

- o Assisted DWF&RS with acquisition strategy and contract details for the Cs/Sr Capsule Dry Storage Project. Reviewed Statement of Work (SOW) and Project Execution Plan. Drafted Acquisition Planning Document.
- o Assisted DWF&RS with Effluent Treatment Facility (ETF) transition. Including list of current contracts and procurement of heat exchanger.
- o Assisted DWF&RS with contracts for Non-Destructive Examination (NDE), waste box covers, basin cover inspections and repairs, laser measurements, IP-1 bag and waste box overpack fabrication.
- o Supported S&GRP and IH for offsite analytical services to support WSCF shutdown.
- o Supported PFP with procurement of demolition equipment. Drafted two SOW's for loaders and excavators.

**• Facilities and Property Management (F&PM)**

- o The annual physical inventory of CHPRC property commenced in February encompassing 4,081 items valued at \$152,328,862. As of June 30, 2014, 81 percent of the items have been accounted for with no reported losses.

**• Finance**

- o June month-end closing was completed on schedule with no cost suspensions.

- o Contract funding has been provided that is sufficient to continue uninterrupted operations through August.
- o Replied to KPMG requests for data, in response to the FY2009 and FY2010 incurred cost audits.
- o Prepared and submitted first quarter FY2015 Conference Management request.
- o Submitted revised FY2014 Labor and Labor Adder Rates.
- **Human Resources**
  - o CHPRC has developed a pilot 360 leadership feedback program as an additional tool for the enhancement of leadership skills. The program has been piloted in the Soil and Groundwater Remediation project.
  - o Two organizations in CHPRC, the Decommissioning Waste, Fuels & Remediation Services and Business Services, piloted a Career Development survey that measured four dimensions related to employee retention and motivation and three areas focusing on employee participation in their personal interest in career development. The results were shared with employees as well as opportunities for employees to provide more specific feedback in small group and one-to-one meetings. The leadership team in each organization is designing specific development initiative to address the highest areas of need specific to their department. The initial review of the pilot indicates that it was successful and the survey will continue to be applied throughout CHPRC.
- **Labor Relations**
  - o Labor Relations continues to work with PFP management and HAMTC to align skills mix and assign jurisdictions in support of continued D&D activities at the facility.
- **Procurement**
  - o Awarded/amended 96 contracts with a total value of \$5.33M. Additionally, awarded 222 new material purchase orders valued at \$1.1M to support ongoing project objectives.
  - o At the end of the first 69 months of the PRC, procurement volume has been significant; \$2.1B in contract activity has been recorded with approximately 49.9 percent, or \$1.049B, in awards to small businesses. This includes 6,540 contract releases, 17,026 purchase orders, and 202,734 P-Card transactions.
  - o Completed and issued one Advance Planning Document to RL for review or approval.
  - o CHPRC Procurement awarded a construction contract for fence and steel pallet rack installation in the 2269E Warehouse for the Soil and Ground Water Project to a small veteran/women-owned hubzone contractor for \$62K as part of the small business outreach to utilize qualified hubzone companies.

### **Prime Contract and Project Integration (PC&PI)**

- o In June, Prime Contracts Compliance received and processed nine (9) contract modifications (numbers 325, 337, 340, 342, 343, 344, 345, 346, and 347) from RL. MOD 325 was issued by RL with the updated option period performance measures table. Correspondence Review received and determined the distribution for 51 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 54 outgoing correspondence packages.
- o Continued planning for the closure of the Waste Sampling and Characterization Facility (WSCF) and transition of analytical services to off-site laboratories.
- o Provided RL with draft proposed FY2015 Performance Measures.
- o Five Notice of Change letters were provided to RL in June.
- o Prepared and submitted notification of Key Personnel change (two positions).
- o Submitted letter to RL for clarification of RL direction regarding ETF Heat Exchanger replacement.
- o Obtained another Hanford Contractors Contract Closeout Lessons Learned and shared with numerous functional areas within CHPRC.
- o Prepared a white paper response to the RL draft FY2013 final fee determination and shared with RL.

- o Continued discussions with RL requesting review and approval of CHPRC Integrated Priority List of FY2014 additional Buy-Back Acceleration Items. Received RL approval for HEDL drums.
- o Received RL decision to not proceed with spending remaining ARRA funds.

#### Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Request for Equitable Adjustments	Supplemental Information submitted	Change Proposals definitized on or ahead of 180-day metric
1	0	1	3

- o Estimating & Program Support provided the following support to the Projects:
  - Plutonium Finishing Plant (PFP):
    - Awaiting RL’s disposition of CO #240, PFP Chemical Hazard Investigation and Mitigation of Chemical Lines.
  - Sludge Treatment Project (STP):
    - Awaiting RL’s disposition of REA 012 1454, Sludge Treatment Project Work Scope Priorities and Sequestration Impacts
    - Continued support in the maintenance of the Basis of Estimate(s) associated with planning scenarios related to the RL-0012 Performance Measurement Baseline (PMB) and FY2015 baseline planning.
    - Continued support to the Annex Construction subproject by reviewing and developing estimates on the claims submitted by the subcontractor.
  - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
    - In conjunction with the project, supported negotiation and definitization of the following Change Order:
      - o CO # 239, *Phase II Solid Waste Operations Complex (SWOC) Permit Modifications, on June 17, 2014.*
    - In conjunction with the project, provided supplemental Information associated with CO#249, *Preliminary Design and Permitting for Leachate Transfer Line ERDF to 200 West Pump and Treat Facility, on June 23, 2014.*
  - Soil & Groundwater Remediation Project (S&GRP):
    - In conjunction with the project, supported negotiation and definitization of the following Change Orders:
      - o CO #246, *UP-1 Technical Feasibility Study, on June 5, 2014.*
      - o CO #247, *Incorporation of River Corridor Waste Site Evaluations to RI/FS Documentation, on June 13, 2014.*
    - In conjunction with the project, completed and submitted to RL, a proposal related to the following Change Order:
      - o CO #254, *Central Plateau Inner Area Cleanup Principles / Risk Assessment and Modeling Parameters Document, on June 12, 2014.*
    - Received two Change Orders and in conjunction with the project initiated efforts to prepare Change Proposals in response to the following:
      - o CO #256, *200-BP-5 Remedial Action Plan Design and Installation Activities;*
      - o CO #257, *200-UP-1 Hydraulic Containment for Iodine (I-129).*
    - Continued efforts to prepare a Request for Equitable Adjustment associated with constructive changes caused by the extended regulatory comment and review period associated with the development of the 300-FF- Operable Unit RI/FS and Proposed Plan.

The management review was completed and this request will be submitted to RL in July 2014.

- o Estimating & Program Support provided the following support to the functional areas:
  - Safety, Health, Security and Quality:
    - Provided support for the implementation of the Not To Exceed associated with the proposal submitted in response to:
      - o CO #248, *Implement Requirements of DOE-0342, Revision 2A, Hanford Site Chronic Beryllium Disease Prevention Program.*
- o Estimating Systems Administration
  - Updated CHPRC Labor and General & Administrative forward pricing rates in the Sage estimating software database.
  - Continued update efforts on the estimating procedure and guide in preparation for an external system review.
  - Continued coordination of up versioning efforts for Sage to the SQL Server version. Testing of Sage is completed and successful. Navigator, an add-on program necessary for file management requires another instance of SQL Server. Once add on is installed and tested, the system will be ready for production. Software Quality Assurance documentation revision for the new system was initiated and pending resolution of the Navigator program.
- **EVMS Compliance and Reporting**
  - o Received results from Stage 2 EVMS Surveillance as conducted by Office of Acquisition and Project Management (OAPM). Currently making modification based on comments.
  - o Continued efforts on the Annual Baseline Update, which focuses on project execution and estimate to complete values.
- **Strategic Planning and Integration**
  - o **Interface Management**
    - Continue to work issues on scope and interpretations of Usage-Base Services vs. Direct-Funded Services for J.3 #20 Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance).
    - J.3 Table Worktables
      - J.3-51 “*Property Systems*” continue to work with MSA and WRPS to revise Service Delivery Document
      - J.3-34 “*Biological Controls*” continue to work with MSA to revise Service Delivery Document
    - Completed draft of spreadsheets identifying site manuals, site committee agreements and Supplemental Contract Requirements Documents to establish need for internal change control process.
    - Continue management assessment of the MSA Statements of Work that are applicable to J.3 Usage-Based Services.
    - Quarterly review and comment of J.13/J.14 tables.
      - WSCF 6266 ownership dispositioned – Building to stay with MSA. SOW and Contract Release will be issued for CHPRC to provide surveillance of 6266
      - 4707 ownership remains with MSA – Building to transfer to CHPRC. AIA for occupancy and usage in route for execution while J.13 table update process is ongoing.
    - In process Interface Documents:
      - HNF-23474 Rev. 2, *ICD Between CHPRC and JCI for Hazardous Energy Control*
      - HNF-46148 Rev.3, *ICD Between CHPRC and MSA for Water System Services*
    - Phase II Data Call on FY2014 Infrastructure & Services Alignment Plan (ISAP) complete.
    - Continue to receive comments on and revise MOA HNF-49315 Agreement on Hanford

- Atomic Metal Trades Council (HAMTC) Seniority Related Discharges and Replacements.
- Developed and transmitted a revised Service Level Agreement with ATL for laboratory sampling scope from PFP.
- Published AIA for Specialized Rental Equipment for construction projects (PRC-AIA-MS-02137).
- Revision of Interface Management PRC-PRO-MS-10472 in progress.
- Continue work on MSA TPA Integration support.
- Continue to provide updated input on a monthly basis to CHPRC Contracts on the Performance Measure PM-00-FY14, Critical Self-Assessment in Risk Management and Integration with Other Hanford Contractors.
- Trailer removal/demo at PFP is complete – interface between MSA and CHPRC facilities/craft was excellent; good communication and involvement on both sides, finished 4 days ahead of schedule, and had no impact to CHPRC D&D resources.
- o **Information Management**
  - Finalized requirements gathering for Respiratory Protection Equipment Tracking automation. Development to start during July 2014.
  - Provided support and response to requests for DOE-HQ OCRWM audit held the week of June 9, 2014.
  - Continued inventory of all OCWRM holdings located at the 3212 Building to locate 1000 records that do not have specific box locations on the OCRWM Index
  - Supported Environmental program with Requirements Management matrices
  - Provided IT, event logistics, and facilitation support to company manager meetings, EZAC, PZAC, and Leadership Impact Initiative training
  - Provided support for all Employee Picnic planning, including logistics, set-up of ticket distribution packets, graphics, posters, website, and other related assignments.
  - Provided information clearance and release support for 100K, SGW, DWFRS, SHSQ and PTS documents
  - Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
  - Installed 23 Thin Client workstations in support of FY14-EMS-PCPI-OB2-T1
  - Processed 10,678 Electronic Records into IDMS

### Project Technical Services (PTS)

- **Central Engineering**
  - o Supporting RL in the review of the Draft Report of the Hanford Site-Wide Probabilistic Seismic Hazard Analysis (PSHA).
  - o Approved and published the Annual Central Waste Complex (CWC) Key Fire Assumption Assessment. All requirements were found to be met.
  - o Approved and published the Quarterly Technical Safety Requirements mandated Combustible Loading Surveillances for the Low Level Burial Grounds and Waste Retrieval and Processing facilities.
  - o Witnessed the factory acceptance testing of the Annex exhaust fan and filter skids at the Flanders Inc., in North Carolina.
  - o Supported DWF&RS in the determination of the Natural Phenomena Design Criteria & seismic categorization for the proposed Capsule extended storage area design criteria.
  - o Supporting DWF&RS in the structural evaluation of the WESF Area 2 for the placement of grout in the hot cells.
  - o Reviewed and commented on the WESF Fire Hazards Analysis revision.

- o Supporting the S&GRP in the analysis of the pipe supports for replacement of the Polyvinyl Chloride pipe with the schedule 10 stainless steel pipe in the 200 W Pump and Treat Bio building.
- o Supporting S&GRP in the calculation review and check for the Road Crossing over 24" Export Water Line for 200 West Pump & Treat.
- o Provided authorization for a qualified S&GRP staff member to perform limited scope NEC Inspections for the installation of portable or vehicle mounted generators within the S&GRP. NEC inspections for all other new electrical installations or modifications to existing electrical installations will continue to be performed by the CHPRC contracted NEC Inspector.
- o Completed preparation of a Computer Based Training (CBT) course on the CHPRC HEPA filter program. The course was approved for use and is now included in the CHPRC CBT Training Table of Courses.
- o Eighteen Facility Fire Assessment Reports were issued (2402W, 2402WB, 2402WC, 2402WD, 2402WE, 2402WF, 2402WG, 2402WH, 2402WI, 2402WJ, 2402WK, 2402WL, 2403WA, 2403WB, 2403WC, 2404WA, 2404WB, 2404WC).
- **Procedures and Training**
  - o Completed the draft of the Recognizing Radioactive Source Gap computer based training.
  - o Participated in HAZWOPER site committee that is making recommendations to make the retraining courses more efficient.
  - o Met with MSA personnel on effort to capture cost avoidance data for indirect costs.
  - o Completed line drawing for Conduct of Operations Simulator that will be located at HAMMER.
  - o Submitted the PRC-PRO-TQ-179, *Obtaining Extensions, Exceptions and Equivalencies*, for RL's approval.
- **Operations Program**
  - o Continued Work Management improvement efforts: Evaluation of DOE-HDBK-1211-2014, *Activity-Level Work Planning & Control Implementation*, to develop related crosswalk and developed and delivered work shop presentations for planners and SMEs.
  - o Completed initial extent of condition review on deferred maintenance for submittal to RL regarding the recent WIPP events.
  - o Completed Post Maintenance Testing Assessment.
  - o Conducted three full-up emergency preparedness drills.
  - o Supported Annual DOE Evaluated Field Exercise conducted at PNNL.
  - o Completed Emergency Preparedness Program Annual Management Assessment.
  - o Created a Work Control WEB site titled "Ask Ted", providing users a mechanism to provide suggestions, questions, related to Work Control, and a place to post our responses.
  - o Developed/Approved Quality Assurance Inspection Plan for performance of Receipt Inspections of M&TE from MSA subcontractor.
  - o Provided Conduct of Operations training to S&GRP supervisors.
  - o Conduct of Work mentors mentoring operations and maintenance supervisors regarding content of pre-job briefs.
  - o Working with DWF&RS radiological control management developing a short. presentation to be given to RCTs to aid them in conducting the radiological portion of pre-job briefings.
- **Project Delivery**
  - **S&GRP**
    - o 200W P&T ITB-1 HDPE Piping and Header Installation
      - Completion of concrete floor with 8" stainless steel pipe header support, electrical power and process control equipment, welding and fabrication of pipe supports, sub surface for installation of road crossing at west side.
  - **DWF&RS**
    - o Completed the repair and reforming of the 105KE Reactor Roof. The roof had sustained weather related damage and had open penetrations into the Facility.

- o Completed repair and modifications to seal fire wall penetrations (130) for the T Plant. This ensures fire rated walls meet National Code and FHA requirements.
- o Completion of repair to the WESF facility, a 20 year warranty was received.
- **KW Annex Construction**
  - o Continued to establish mask issuance station to support PTS construction – target completion July 21, 2014.
  - o Completed the Factory acceptance Test for the Flanders HEPA units June 17, 2014. NCRs pending for vibration issues.
  - o Completed the concrete placement of 2 of 3 the roof decks – June 12 (Low Bay) and 26 (Intermediate Bay) supporting the completion of PM-12-02.2N.2B.3 – final placement scheduled for July 22, 2014.
  - o Continued the installation of structural steel supporting PM-12-02.2N.2B.2 – Engineering walkdown targeted for July 17, 2014 to review status.
  - o Continued preparation of steel and the application of the fire coatings on the low and intermediate bay structural steel members.

## Communications

- **Internal**
  - o Produced a video showcasing the Project Technical Services team building a playset for the local Safe Harbor Crisis Nursery.
  - o Supported establishment and communications of a Cooperative Learning Internship Program between CHPRC and Washington State University Tri-Cities.
  - o Produced five issues of the Weekly Update, including manager blogs from Lily Parnell, EEO/Diversity representative; Mark Cherry, vice president of the Soil & Groundwater Remediation Project; Mark Wright, vice president of the Project Technical Services Project; John Fulton, president; and Mike Swartz, vice president of the PFP Closure Project.
  - o Continued hosting roundtable meetings with CHPRC senior management and employees to invite worker feedback and maintain the free flow of information.
- **Public Relations**
  - o Issued a press release announcing the graduation of its subcontractor, Project Services Group, LLC, from DOE's Mentor Protégé Program.
  - o Responded to media inquiries regarding the retirement and successor of the CHPRC President and CEO.
  - o Hosted media event with Friends of Badger Mountain and responded to media inquiries regarding the announcement of the CHPRC Community Legacy Project. The event was featured in local print and television news.
  - o CHPRC achieving star status in the DOE Voluntary Protection Program was featured in the EM Update.
- **Public Involvement**
  - o Planning underway for two upcoming public comment periods: 100-F/IU Operable Unit Proposed Plan and an Engineering Evaluation/Cost Analysis on WESF capsule disposition (dry storage).
  - o Distributed 100-F/IU Proposed Plan fact sheet and placed advertisement.

## 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 (%)
Internal Audit	0.1	0.1	0.0	0.0	0.0%	0.0	27.6%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	14.7%
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	-28.5%
Safety, Health, Security and Quality	1.1	1.1	1.0	0.0	-1.1%	0.1	7.9%
Environmental Program and Strategic Planning	0.4	0.3	0.4	-0.1	-29.9%	-0.1	-21.0%
Business Services	1.5	1.5	1.7	0.0	0.0%	-0.2	-11.2%
Prime Contract and Project Integration	1.6	1.6	1.4	0.0	0.0%	0.1	8.7%
Project Technical Services	0.5	0.5	0.6	0.0	0.0%	-0.1	-19.3%
<b>Indirect WBS 000 Total</b>	<b>5.4</b>	<b>5.3</b>	<b>5.4</b>	<b>-0.1</b>	<b>-2.7%</b>	<b>-0.1</b>	<b>-2.0%</b>

Numbers are rounded to the nearest \$0.1M.

#### Indirect WBS 000

##### CM Schedule Performance: (-\$0.1M/-2.7%)

Variance is within reporting thresholds.

##### CM Cost Performance: (-\$0.1M/-2.0%)

Variance is within reporting thresholds.

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

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Internal Audit	0.6	0.6	0.4	0.0	0.0%	0.2	26.0%	0.8
General Counsel	1.0	1.0	0.8	0.0	0.0%	0.2	18.8%	1.4
Communications	0.7	0.7	0.8	0.0	0.0%	-0.1	-12.7%	1.0
Safety, Health, Security and Quality	10.9	10.8	8.5	-0.1	-0.1%	2.3	21.3%	14.9
Environmental Program and Strategic Planning	3.2	3.0	2.9	-0.1	-0.4%	0.1	2.8%	4.4
Business Services	14.7	14.7	13.8	0.0	0.0%	0.9	5.8%	20.3
Prime Contract and Project Integration	15.1	15.1	13.1	0.0	0.0%	2.1	13.6%	21.0
Project Technical Services	5.1	5.1	5.5	0.0	0.0%	-0.4	-8.4%	7.1
<b>Indirect WBS 000 Total</b>	<b>51.3</b>	<b>51.1</b>	<b>46.0</b>	<b>-0.2</b>	<b>0.0%</b>	<b>5.1</b>	<b>10.0%</b>	<b>71.0</b>

Numbers are rounded to the nearest \$0.1M.

### Indirect WBS 000

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

Variance is within reporting thresholds.

**FYTD Cost Performance: (+\$5.1M/+10.0%)**

The favorable cost variance is primarily due to lower than expected costs for Time Verification System and B&O Home Office Cost estimate reductions in prior year assessments.

### Baseline Change Requests

BCR-PRC-14-018R0 – *Modify Activity IDs*

BCRA-PRC-14-017R0 – *Overhead OBS Title Changes*

BCRA-PRC-014-019R0 – *HPIC updates June 2014*



## FY2014 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2014					
	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY2014 BCWS	FY2014 Forecast	FY2014 Variance (O)/U
Internal Audit	0.6	0.4	0.2	0.8	0.8	0.1
General Council	1.0	0.8	0.2	1.4	1.4	0.1
Communications	0.7	0.8	(0.1)	1.0	1.2	(0.2)
Safety, Health, Security and Quality	10.9	8.5	2.4	14.9	12.3	2.6
Env. Program & Strategic Planning	3.2	2.9	0.2	4.4	4.5	(0.0)
Business Services	14.7	13.8	0.9	20.3	20.1	0.3
Prime Contract and Project Integration	15.1	13.1	2.1	21.0	18.6	2.3
Project Technical Services	5.1	5.5	(0.4)	7.1	7.7	(0.6)
<b>General &amp; Administrative (G&amp;A)</b>	<b>51.3</b>	<b>46.0</b>	<b>5.3</b>	<b>71.0</b>	<b>66.5</b>	<b>4.5</b>
		<b>FYTD</b>			<b>FY2014</b>	
<b>G&amp;A Distribution</b>		<b>(43.6)</b>			<b>(66.4)</b>	
<b>G&amp;A Liquidation (Over)/Under</b>		<b>2.4</b>			<b>0.1</b>	

### Liquidation Analysis

- FYTD through June, application of the G&A rate has under-liquidated total to date G&A costs by \$2.4M. The FY2014 year end projected under-liquidation of \$0.1M reflected in the fiscal year spend forecast reflects a projected decrease 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 (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than \$4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than \$6M. 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 identified.

## 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.