

# Monthly Performance Report

July 2013

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

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



**CH2MHILL**

Plateau Remediation Company

**P.O. Box 1600**

**Richland, Washington 99352**

Approved for Public Release;  
Further Dissemination Unlimited

# Monthly Performance Report

July 2013

Date Published  
August 2013

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

DOES NOT CONTAIN CLASSIFIED OR  
UNCLASSIFIED CONTROLLED  
NUCLEAR INFORMATION

**APPROVED**  
By Shauna Adams at 9:37 am, Aug 27, 2013

Reviewing  
Official / ADC:   
Date: 8/21/2013

Release Approval

Date

Approved for Public Release;  
Further Dissemination Unlimited

**TRADEMARK DISCLAIMER**

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

This report has been reproduced from the best available copy.

Printed in the United States of America



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

# Monthly Performance Report

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

**July 2013**  
CHPRC-2013-07, Rev. 0

## CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	4
KEY ACCOMPLISHMENTS .....	5
MAJOR ISSUES.....	5
EARNED VALUE MANAGEMENT .....	6
FUNDING ANALYSIS .....	7
BASELINE CHANGE REQUESTS .....	8
SELF-PERFORMED WORK.....	10
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	10

### 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 safely removed 7 gloveboxes through July, totaling 15 in FY2013, meeting the DOE revised FY2013 goal. PFP also demonstrated a foaming technique that could improve the process for preparing large pieces of contaminated equipment for disposal and possibly reduce the time needed to prepare gloveboxes for disposition.
- The Soil & Groundwater Remediation Project (S&GRP) surpassed the fiscal year target to treat 1.4 billion gallons of contaminated groundwater, completing another fiscal year Key Performance Goal (KPG). The project also reached 98% of the fiscal year KPG to treat groundwater to remove 35,000 kilograms of nitrate as nitrogen.
- The Sludge Treatment Project (STP) began mobilization of the construction contractor craft resources to prepare for site restoration and the restart of K West Basin Annex construction. The CHPRC Project Review Board (PRB) completed a comprehensive evaluation and report of the Engineered Container Retrieval and Transport System (ECRTS) Subproject Critical Decision (CD) 2/3 package. PRB recommendations were incorporated into the ECRTS CD-2/3 Package to be submitted to RL in early August.
- CHPRC supported a tour from the Japanese Environmental Safety Committee, who visited the site to learn about waste management and remediation practices at the Hanford Site.



**Glovebox foaming demonstration for the Plutonium Finishing Plant Closure Project**



**Excavating structural fill to support installation of utilities for K West Annex Construction.**

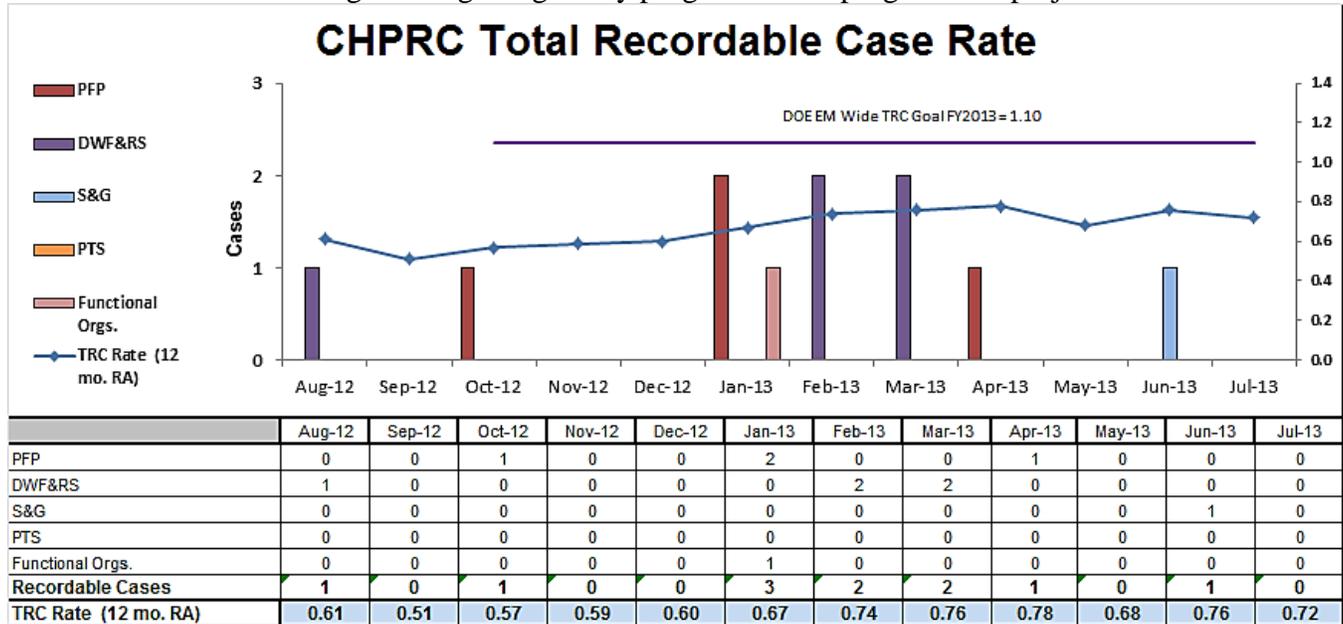
## Focus on Safety

- The Safety, Health, Security, and Quality organization hosted the July 2013 President's Zero Accident Council meeting. The three main themes for the meeting were:
  - Employee Zero Accident Council (EZAC) Support
  - Half-Way Through: Summer Heat Stress
  - Voluntary Protection Program (VPP) Football
- A project industrial hygienist warmed up the audience with an update and reminder on heat stress control as CHPRC entered the half-way point of Summer. The presentation discussed the criteria for a working and resting schedule in a hot environment, moving to alternate controls when using the schedule isn't enough, and real world examples of implementation. The meeting heated up as a new monthly PZAC segment was introduced where EZAC co-chairs were recognized and given opportunities for a fireside-type chat on what's working well in the field and when help is needed. The Environmental Management System (EMS) presentation allowed the crowd to get to know CHPRC Environmental Compliance Officers and described a typical day in their busy lives. The VPP briefing kicked off with the hot topic of professional football and how employees can get involved in VPP awareness for a chance at winning free game tickets. Funny video vignettes scattered throughout the meeting caused snickers in between an injury report, a presentation on safety performance, and good news stories.
 
- Five "Thinking Target Zero" (TTZ) bulletins were published in July to convey important environmental and occupational safety and health messages:
  - Heat Safety
  - Summer Fire Safety
- Outdoor Hazards
  - DOE-VPP Program Elements
  - Know Your Environmental Compliance Officers
- *Weekly Safety Tailgate* briefing packages in July communicated relevant topics and safety information to the workforce:
  - Employee Designed Solutions for Respiratory Protection Powered air purifying respirator (PAPR) Problems
  - Showers and Eyewashes
  - Off Road Travel
  - Safety Responsibilities
  - CHPRC VPPPA National Conference Awards
  - Back to Work Safety After a Holiday
  - Results of the ISO 14001 EMS Annual Assessment
  - GHS and You
  - Stairway Safety
  - Reporting Hours
  - Scaffolding and the Maximum Intended Load
  - Summer Heat and Tire Failures
  - VPP Weekly Spotlight and other VPP messages
  - "What Would You Do?" Ethics Awareness messages
  - Injury/Illness Summaries, Close Calls, and the TTZ of the week

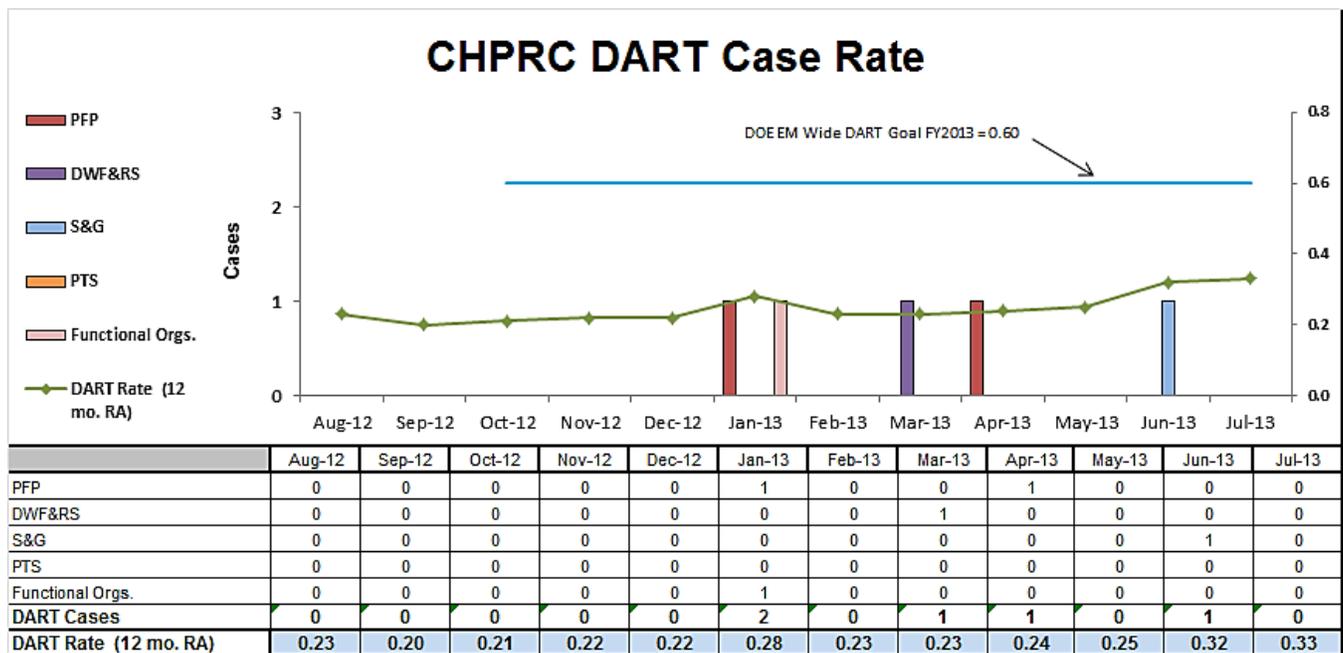


## TARGET ZERO PERFORMANCE July 2013

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



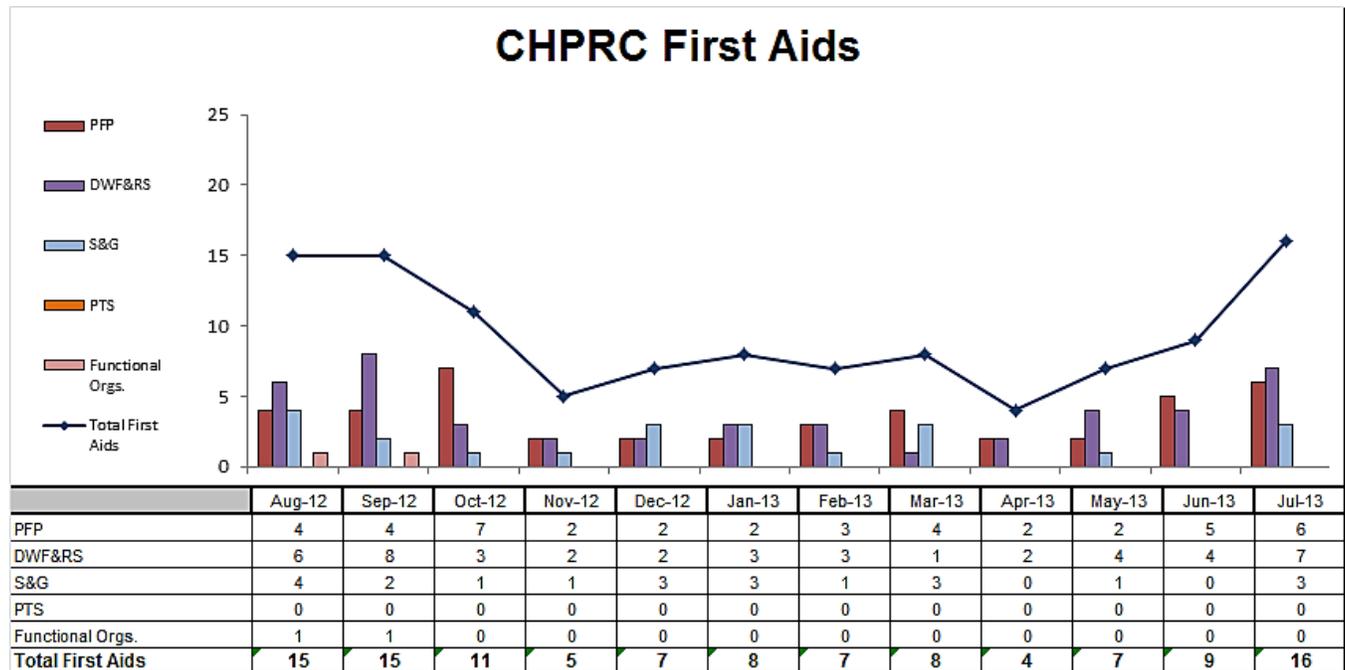
**Total Recordable Injury Case (TRC) Rate** – The 12 month rolling average TRC rate of 0.72 is based on a total of 11 recordable injuries (six Recordables and five DART cases). One case from April 2013 was reclassified as a Recordable/DART case. There were no Recordable/DART cases in July 2013. There are no cases being reviewed as potentially Recordable. Through July, hours worked since last Recordable Case = 350,766.



**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12 month rolling average DART rate of 0.33 is based upon a total of five Days Away cases. There were no DART cases in July 2013. Through July, hours worked since last DART Case = 350,766.

**NOTE:** DOE-EM have revised their TRC rate goal to 1.1, while the DOE-EM DART rate goal is unchanged (0.6) for FY2013.

\* The monthly numbers indicated in the chart are updated to reflect the month in which the injury occurred. The rates also capture any changes resulting from reclassified cases or those added as a result of completed investigations.



**First Aid Case Summary** – CHPRC reported 16 first-aid cases in July 2013. The biggest contributors were six contusions/abrasion, five bites/stings, four sprains/strains/pains, and one heat stress.

## KEY ACCOMPLISHMENTS

### Projects

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

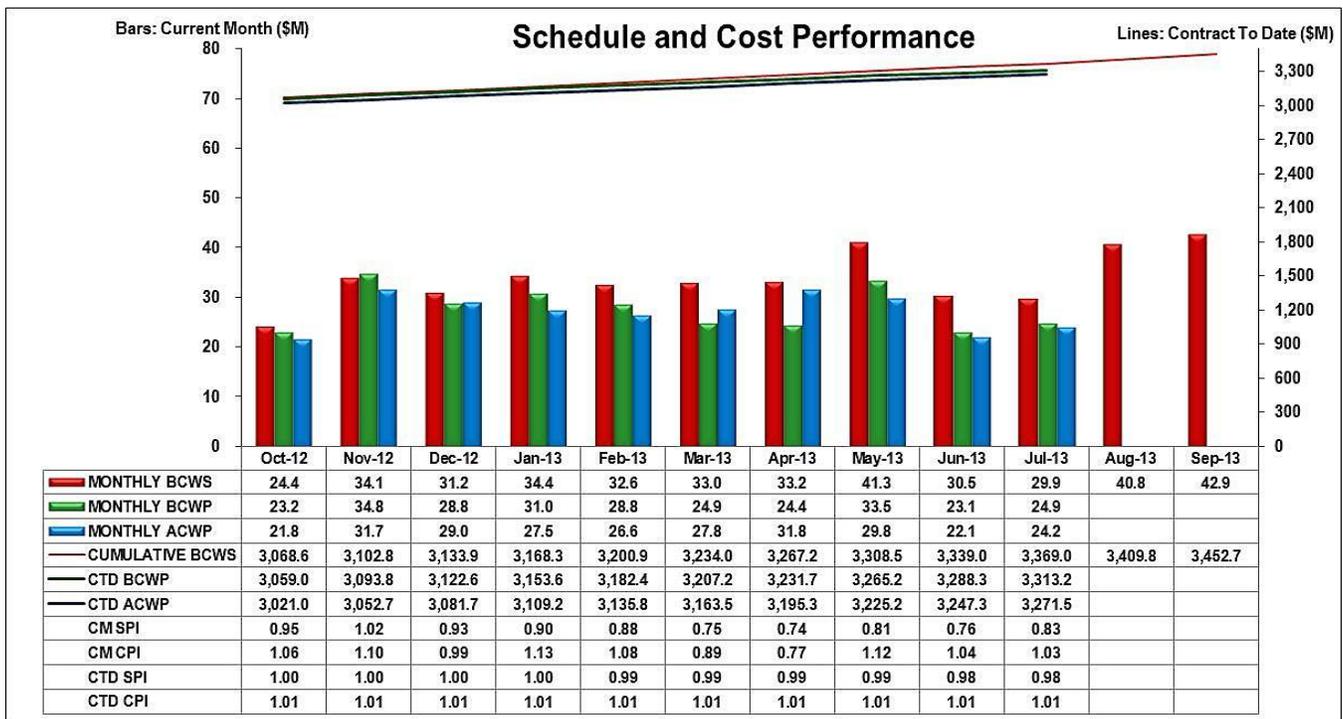
### Project Services and Support

- 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	9.2	6.1	7.8	(3.1)	(1.7)		628.5	597.5	623.6	(31.0)	(26.1)	940.3	1,007.1	(66.8)	
RL-0012 - SNF Stabilization & Disposition	4.2	4.2	4.0	0.0	0.2		385.7	372.0	376.0	(13.7)	(4.0)	606.5	634.0	(27.4)	
RL-0013 - Solid Waste Stab & Disposition	6.6	6.3	5.4	(0.3)	0.9		772.1	771.4	755.3	(0.7)	16.1	1,344.5	1,327.3	17.2	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.4	6.8	5.9	(1.6)	0.8		891.8	882.9	878.8	(8.9)	4.0	1,495.5	1,492.5	3.0	
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.8	0.7	(0.0)	0.2		373.9	373.6	345.3	(0.3)	28.3	488.7	460.4	28.3	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.5	0.5	0.2	(0.0)	0.3		301.6	300.4	279.3	(1.2)	21.0	467.5	448.6	18.8	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1		15.5	15.5	13.2	0.0	2.3	26.6	24.4	2.3	
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>29.9</b>	<b>24.9</b>	<b>24.2</b>	<b>(5.1)</b>	<b>0.7</b>	<b>3,369.0</b>	<b>3,313.2</b>	<b>3,271.5</b>	<b>(55.8)</b>	<b>41.7</b>	<b>5,369.6</b>	<b>5,394.2</b>	<b>(24.6)</b>	

### Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -\$24.6M with \$85.5M of Management Reserve for a total positive variance of \$60.9M.

Overall, the project was 16.9% behind schedule and 2.9% under cost in July. For FY2013, the project is 14.6% behind schedule and 1.8% under planned cost. Schedule performance in July was primarily due to:

- RL-0011 – Deferral of process vacuum and transfer line removal efforts due to field work teams reassigned to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferral due to sequestration, and the associated delay to D&D support services. In general,

ongoing HAMTC negotiations continue to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to.

- RL-0030 – Delays in well drilling and aquifer tube installation activities at BC-5 and well drilling activities at K, H, and 200 W Pump & Treat (P&T). The BC-5 delays are due to reconciling issues with the State Historic Preservation Officer (SHPO) over the findings of the Cultural Resource Review (CRR) for the 100-BC well and aquifer tube installations. K/H/200W P&T delays are a result of sequestration funding impacts.

Cost performance in July was primarily attributed to:

- RL-0011 – Unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, the inability of D&D field work teams to work as planned (discussed above), combined with a limited ability to reassign resources to other work, and D&D support services (NDA, Project Support, and Solid Waste Operations) earning in proportion to discrete work, while a constant staff provides the required services.
- Realized efficiencies in multiple projects necessary to meet project funding requirements.

## FUNDING ANALYSIS

### FY2013 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2013		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	117.0	108.8	8.2
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	62.3	60.2	2.1
RL-0013	Waste and Fuels Management Project	82.7	79.2	3.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	93.5	86.4	7.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.0	12.4	0.6
RL-0041	Nuclear Facility D&D, River Corridor	9.8	8.9	0.9
RL-0042	Fast Flux Test Facility Closure	2.4	2.0	0.3
<b>Total Base:</b>		<b>380.6</b>	<b>357.9</b>	<b>22.7</b>

#### Funds/Variance Analysis:

FY2013 projected funding increased \$1.758M. An additional \$1.747M was authorized for PBS RL-0030 for HR-3 and KR-4 well realignments; \$18.5K was authorized for implementation of Hanford Radiological Health & Safety Document revisions spread to PBS's RL-0011, RL-0012, RL-0013, and RL-0030; and \$7K was reduced from PBS RL-0030 for an inter-entity work order to Lawrence Berkley National Lab. FY2013 projected funding is \$380.6M.

## BASELINE CHANGE REQUESTS

In July 2013, CHPRC approved and implemented one (1) BCR. The change request is identified in the table below:

Change Request #	Title	Summary of Change
<b>Implemented into the Earned Value Management System for July 2013</b>		
BCR-042-13-001R0	<i>RL-42 400 Area Sanitary Sewer System</i>	This BCR adds scope and provides an NTE amount for the RL0042 (FFTF) "400 Area Sanitary Sewer System".

Overall, the contract period Performance Measurement Baseline budget increased \$60.2K in July 2013.

### Management Reserve Activity

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

### Fee Activity

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

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 processed in July 2013 are summarized by fiscal year in the tables below (dollars in thousands):

### July 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
<b>June 2013 Estimate</b>									
PMB	653,426	960,017	1,002,105	428,688	408,445	3,452,682	1,916,846	5,369,528	5,369,528
MR	0	0	0	0	3,094	3,094	82,439	85,533	85,533
Fee	39,712	48,772	32,322	17,023	13,115	150,944	76,751	227,695	227,695
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,034,427</b>	<b>445,711</b>	<b>424,654</b>	<b>3,606,719</b>	<b>2,076,036</b>	<b>5,682,755</b>	<b>5,682,755</b>
<b>July 2013 Change</b>									
<b>PMB</b>									
<i>Change to PMB</i>	0	0	0	0	60	60	0	60	60
<b>MR</b>									
<i>Change to MR</i>	0	0	0	0	0	0	0	0	0
<b>Fee</b>									
<i>Change to Fee</i>	0	0	0	0	0	0	0	0	0
<b>Total Change</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>60</b>	<b>0</b>	<b>60</b>	<b>60</b>
<b>July 2013 Estimate</b>									
PMB	653,426	960,017	1,002,105	428,688	408,506	3,452,742	1,916,846	5,369,588	5,369,588
MR	0	0	0	0	3,094	3,094	82,439	85,533	85,533
Fee	39,712	48,772	32,322	17,023	13,115	150,944	76,751	227,695	227,695
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,034,427</b>	<b>445,711</b>	<b>424,714</b>	<b>3,606,779</b>	<b>2,076,036</b>	<b>5,682,815</b>	<b>5,682,815</b>

**Changes to/Utilization of Management Reserve in July 2013**

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
<b>June 2013 MR Totals</b>								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,053	1,053	14,498	15,551
RL-0013	0	0	0	0	1	1	10,238	10,239
RL-0030	0	0	0	0	410	410	14,733	15,143
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,094</b>	<b>3,094</b>	<b>82,439</b>	<b>85,533</b>
<b>July 2013 MR Changes/Utilization</b>								
<b>RL-0011</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0012</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0013</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0030</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0040</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0041</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RL-0042</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>July 2013 MR Totals</b>								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,053	1,053	14,498	15,551
RL-0013	0	0	0	0	1	1	10,238	10,239
RL-0030	0	0	0	0	410	410	14,733	15,143
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,094</b>	<b>3,094</b>	<b>82,439</b>	<b>85,533</b>

## SELF-PERFORMED WORK

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

Contracts-to-Date Actual Awards & Mods				Projection to FY2018	
Contracts + POs + Pcard -10/1/2008 -7/31/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,069,342,545
				Goal	Bal remaining to award = \$455,140,650
	\$	%	%	Goal award \$	Bal to goal \$
SB	\$1,009,188,431	48.77%	49.30%	\$1,244,570,215	\$235,381,784
SDB	\$178,645,968	8.63%	8.20%	\$207,007,622	\$28,361,654
SWOB	\$198,405,105	9.59%	7.50%	\$189,336,240	(\$9,068,865)
HUB	\$46,978,491	2.27%	2.20%	\$55,538,630	\$8,560,139
VOSB	\$115,267,277	5.57%	3.50%	\$88,356,912	(\$26,910,366)
SDVO	\$55,344,256	2.67%	1.30%	\$32,818,282	(\$22,525,974)
NAB	\$30,219,264	1.46%	N/A	* 10-year subcontracting projection	
Large	\$564,097,899	27.26%	N/A		
GOVT	\$2,083,552	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$490,428,028	23.70%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$91,138	0.00%	N/A	Total Contract Price:	\$5,679,329,866
NONPROFIT	\$3,202,776	0.15%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$247,345	0.01%	N/A	SB Awarded:	\$1,009,188,431
<b>Total</b>	<b>\$2,069,342,545</b>	<b>100.00%</b>	<b>N/A</b>	Balance to Requirement:	<b>(\$43,702,354)</b>

### Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.06B in goods and services with over 48.7% going to small businesses. All subcontracting sub-goals have been exceeded. CHPRC was on track to meet the 49.3% overall goal prior to Sequestration impacts.
2. Approximately 93% of the total dollars arise from service and staffing Contracts and Contract amendments with five percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
3. This report excludes blanket contract values which are only estimates and not used for payment obligations.
4. 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. C. Fulton**  
Vice President for  
PFP Closure Project

**J. M. Swartz**  
Deputy Project  
Manager for  
PFP Closure Project

July 2013  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

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

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	7	192 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	- ft.	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	55 ft.	1,033 feet
Pencil Tank Units Removed	-	110 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	- m <sup>3</sup>	38 m <sup>3</sup>
TRU/TRU-M Shipped	14 m <sup>3</sup>	1,194 m <sup>3</sup>
LLW/MLLW Shipped	14 m <sup>3</sup>	4,124 m <sup>3</sup>

- There were no lost or restricted workday cases this period.
- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. Six gloveboxes in Room 235A-2 (HA-13A, HA-13B, and HA-13G, HA-13MD, HA-12S, and HA-11) and one glovebox in Room 227 (HC-227-S) were separated, removed, and turned over to Solid Waste Operations. The total gloveboxes removed to date is now at 83 percent complete.
- Several PRF canyon entries were performed for installation of the replacement festoon cables and the demagnetization circuit.
- Final sweeping and cleanout of the MT conveyor was completed.
- Preparations continued for the draining and removal of the mercury lines in Room 60.
- A mock-up for the draining of the hydroxylamine nitrate line in room 40 was performed.

## EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
13-EMS-PFP-OB1-T1	Streamline PFP's excess/reuse/recycle program to reduce the storage time for excess/ reusable items	Develop and implement project requirements, controls, guidelines for better coordination with Hanford excess/reuse/recycle program	Evaluate PFP's current excess process	12/28/12	100%
			Evaluate CHPRC excess program to improve integration between CHPRC and PFP programs and to identify opportunities for disposition of unused PFP items	3/27/13	100%
		Reduce storage time in the 212-Z Lag Storage to prevent excess/ reuse/ recycle items from becoming unusable	Identify appropriate efficiencies, guidelines, requirements, controls for the 212-Z Lag Storage and PFP excess process Completed 6/12/13	6/27/13	100%
		Implement better controls for PFP's 212-Z Lag Storage by requiring disposition identification and appropriate coordination completion prior to storage at 212-Z	Revise PFP procedures to implement improved excess processes at PFP and 212-Z Lag Storage	9/30/13	0%

## 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	6	43	<ul style="list-style-type: none"> <li>• 7/01/2013 – Employee experienced right foot strain (23100)</li> <li>• 7/17/2013 – Employee experienced contusion/bruise on right foot (23107)</li> <li>• 7/19/2013 – Employee experienced contusion/bruise on left leg (23108)</li> <li>• 7/22/2013 – Employee experienced contusion/bruise on left foot (23109)</li> <li>• 7/29/2013 – Employee received bug bite/sting to upper back (23120)</li> <li>• 7/29/2013 – Employee experienced left wrist flexor tendon strain (23121)</li> </ul>
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
  - Completed differential pressure (DP) gauge installation on EF-2 through EF-7
- The seven new/revised preventive maintenance procedures, which are part of the implementation effort for the Enhanced Maintenance Plan (Rev 0), were published.

### 11.05 Disposition PFP Facility

#### Remote Mechanical A and C Lines (RMA/RMC)

- In room 235A-2, the separation, rotation, and removal of gloveboxes HA-13A, HA-13B, and HA-13G was completed. In addition, the separation and preparation for rotation of glovebox HA-13MD was also completed.
- In Room 228B/228C, the removal of electrical interferences and a 26" vacuum line, and to removal of a portion of the wall to facilitate glovebox movements was completed.
- In Room 228C, the removal of the E4 vent duct to the lower section of HC-17DC was completed. In addition, a hygrometer unit under HC-17DC was removed.
- In Room 227, the wipe down and application of internal fixative for glovebox HC-227T was completed.

#### Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
  - Removed the Room 169/170 portion of the HC-4 to HC-46F process transfer line (~ 26 ft.)
  - Completed removal of the HC-4 to HC-227S process transfer line (~ 8 ft.)
  - Installed containment sashes on the Room 166 Hood set in preparation for final decontamination and fixative application
- Glovebox Electrical Isolations
  - Completed electrical isolation of Glovebox HA-40F, including strip-out of the calciner-control cabinets
  - Completed electrical isolation of Glovebox HC-46F

#### Disposition PFP (234-5Z) Facility

- A total of 2,545 feet of 26 inch Process Vacuum lines has been cut, size reduced and dispositioned.
- Dispositioned a total of 1,033 feet of transfer lines.
- In addition to removal of non-asbestos insulation supporting contaminated line removal, a total of 17,491 feet of asbestos has been removed to date.

#### Chemical Mitigation

- A mock-up for the draining of the hydroxylamine nitrate line in Room 40 was performed.

#### Plutonium Reclamation Facility (PRF)

- Assembly of the replacement festoon cables and demagnetization circuit was completed.
- Canyon entries were completed to initiate the replacement of the festoon cables and demagnetization circuit.
- Final sweeping and cleanout of the MT conveyor was completed.
- Preparations continued for the draining and removal of the mercury lines in Room 60.

## MAJOR ISSUES

**Issue** – Following discovery of a leaking nitric acid line and exposure of a worker to nitric acid vapors, a review of other chemical lines commenced. Based on documentation from the previous Contractor, certain chemical lines were originally thought to have been drained. Ultrasonic testing of chemical lines has since indicated that some chemical lines still need to be drained. Additionally, management is investigating concerns regarding the contents of the chemical lines.

**Corrective Action** – Over 80 accessible chemical lines have been ultrasonically tested to determine if they need to be drained. Engineering completed a draft list of chemicals that may have been used in the lines. Controls have been released for hazards associated with the identified chemicals. Work packages have been released and draining of the selected chemical feed lines is proceeding. Lessons learned are being incorporated and planning continued for additional draining efforts.

**Issue** –During transfer of the Tank 126 strongback to the canyon wall on Tuesday, April 30, the hoist functions stopped working. The fuses for the hoist were blown. The trolley and bridge functions continued to operate.

**Corrective Action** – Assembly of replacement festoon cables was completed. Canyon entries were initiated to replace the festoon cables. The replacement cables festoon cables have been mounted on the railing and wiring has been initiated.

### 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-0011/WBS 011</b>				
PFP-003: More Extensive Cleanout/Decon Required	Project Managers developed a detailed process facility characterization plan into the field execution schedule for the FY2014 PMB Update. Integrating the characterization activities into the field execution schedule provides an opportunity to avoid project schedule impact; however, cost impacts remain. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition).			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. 243-ZA characterization is complete pending final reports. Work is continuing in A-Labs and work packages are being worked in 234-5Z duct level. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PFP-004, Risk of PRF Canyon D&D cost/schedule growth	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination. Planning is under way to develop alternate means to perform tasks that require extensive crane usage.			Based on recommendations from Konecranes (crane vendor) The teams, in the month of July, completed the following: replaced fuses, festoon cables, and terminations in the junction boxes were completed. Engineering is still determining the cause of cranes hoist to fail when performing Z motion (up and down). In addition, a new motor has been procured, along with a supporting shaft, and will be placed in spares to mitigate further upset conditions with the crane.
PFP-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. Add addition controls to monitor and protect exhaust fans from failure. Continue to communicate with DOE to discuss risk acceptance on Fan repairs / Filter replacements.			Teams continued in the month of July to work on scope to further mitigate potential impacts in the future (Rev.0). JCO was also submitted to DOE, in May, and discussions are still pending on future mitigation effort (Rev.1).  The decision was made not to perform filter replacements on 309 filters, but work packages will be in place to work the filter replacements in the event of a 310 failure.
PFP-008: Unexpected High Concentration TRU Material Holdup Discovered	Utilize supplemental NDA and other characterization techniques to identify areas of concern early in the project. Discuss potential response actions and administrative controls with Safeguards and Security, and proceduralize them as needed to guide the project in responding in the event unexpected material is identified.			<u>234-5Z</u> - Planning is complete on the disposition path for the section of piping that was discovered to have higher than expected material holdup in room 264. Waste will be addressed as planned with little to no impacts to D&D work when work resumes in the duct level.  <u>291-Z</u> - High gram piping was found in 291-Z that will require special handling. The scope is planned in the out years and will be marked as a known line to contain hold up.
PFP-080 – Unforeseen Chemical Hazards	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. Investigation completed in the month of March. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0011/WBS 011</b>				
PFP-014: Unexpected Chemicals/Chemical Residuals or Hazardous Materials Are Discovered at PFP	Conduct wall-to-wall waste identification walk downs, fill out waste identification forms (WIF) and issue WIF reports. Continue planned sampling and identification of areas and equipment with lower confidence levels. Develop a chemical mitigation response team to: perform Ultra Sonic testing to identify all chemical lines with suspect or know quantities of Chemicals, and empty all remaining chemical lines throughout the plant including lines located in PRF	●	↔	PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Impacts from the high concentration acid discovered in 234-5Z caused the deployment of a chemical response team to identify and drain process lines where appropriate. The reassignment of this team suspended field work for MT mechanical isolation activities until chemical liquids are characterized, and or drained. In addition management stopped work for chemical lines in the duct level, and all work packages associated with breaching of chemical lines throughout the plant are starting to be lifted.
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.	●	↔	Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
PRC-024 - Bargaining Unit Strike or Work Stoppage	Additional FWS have been hired and returned to the 8x9 shifts to ensure ability to get 2 dives a day when executing fresh air jobs.	●	↔	On 11/29/12, the economic package was delivered to HAMTC as part of the collective bargaining agreement (CBA) negotiation. Since that date, the project has been impacted by various bargaining unit employee actions (e.g., overtime turn down, upgraded employees' request to return to tools). The request for upgraded employees to return back to "hands on tools" primarily impacts near-term scope in RMA/RMC.
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 continue to extend respiratory protection time. 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.
PRC-061 – FY2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↔	Sequestration impacts have been implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.
PRC-020 – Weather Delays	Develop, and purchase spare parts for unexpected repairs to criticality panels in the event of additional lightning strikes.	●	↔	No additional impacts due to weather in the month of July. This risk will no longer be reported for the month of August.

## 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	9.2	6.1	7.8	(3.1)	-33.5%	(1.7)	-28.7%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Variance: (-\$3.1M/-33.5%)

The unfavorable schedule variance is primarily attributed to process vacuum and transfer line removal efforts being deferred due to field work teams being reassigned to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferral due to Sequestration, and the associated delay to D&D support services. In general, the fallout from ongoing HAMTC negotiations continues to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to.

#### CM Cost Variance: (-\$1.7M/-28.7%)

The unfavorable cost variance is the result of unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, unplanned use of contractor resources to support contract change management efforts, and D&D support services (NDA, Project Support, and Solid Waste Operations) earning in proportion to discrete work, while a constant staff provides the required services.

## 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	628.5	597.5	623.6	(31.0)	-4.9%	(26.1)	-4.4%	940.3	1,007.1	(66.8)

Numbers are rounded to the nearest \$0.1M

### CTD Schedule Variance (-\$31.0M/-4.9%)

The schedule variance is within reporting thresholds.

### CTD Cost Variance (-\$26.1M/-4.4%)

The cost variance is within reporting thresholds.

### Variance at Completion (-\$66.8M/-7.1%)

The variance at completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and extending Level-of-Effort and support services, consistent with delayed activities, in support of completing TPA Milestone M-083-00A. Work scope added to complete chemical mitigation efforts and repair the PRF canyon crane, which is are realized risks, and prior year unrecoverable costs also contribute to the variance. The project is advancing a strategic path forward to bring the slab-on-grade completion date back to 2016. Any schedule recovery will reduce the unfavorable variance at completion.

### Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The EAC changes from June to July are within reporting thresholds.

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

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

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	117.0	108.8	8.2

Numbers are rounded to the nearest \$0.1M

### Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### Critical Path Schedule

Critical Path consists of cutting and size reducing the 26 inch Process Vacuum Piping in the Duct Level of 234-5Z. Once complete, that team transitions to removing Process Support Equipment, performing focused decontaminations throughout 234-5Z, and finally grouting any cavities and penetrations in the facility. The next step is removing the E3 and E4 final filters and performing 291-Z isolation activities. In order to shorten the critical path, the majority of final filter removal will be done prior to ventilation being powered down. Once ventilation is off, the final two filter banks will be removed, after which, demolition preparation and demolition of the 291-Z stack commence and lead to the final TPA Milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

### Baseline Change Requests

None identified at this time.

## MILESTONE STATUS

None identified at this time.

## SELF-PERFORMED WORK

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

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

None identified at this time.

# Section B

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



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

**July 2013**  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

- The RL review of the Preliminary Documented Safety Analysis (PDSA), submitted on July 9, 2013, has commenced and initial comments have already been received. RL comments are being submitted on review comment records (RCRs), thus facilitating a disciplined process of documenting acceptable comment disposition and subsequent implementation. Dedicated Sludge Treatment Project (STP) personnel have been tasked with coordination of this comment resolution process.
- The CHPRC Project Review Board (PRB) completed a comprehensive evaluation of the Engineered Container Retrieval and Transport System (ECRTS) Subproject Critical Decision (CD)-2/3 Package on June 18, 2013. This independent review resulted in recommendations to the project, some of which are being incorporated into the ECRTS CD-2/3 package prior to submitting the package to RL for approval. A final draft of the PRB Report was provided to the project staff on July 18, 2013. The final PRB Report was issued July 30, 2013. STP Project Management is aggressively pursuing comment incorporation and is forecasting approval and submittal of the CD-2/3 Package to RL in early August.
- Preparation of the Integrated Process Optimization Demonstration (IPOD) continued with the fabrication of control system multiplexer panels, installation of new Sludge Transfer Storage Cask (STSC) air inlet regulators, transfer box duck bill check valves to protect high point vent filters from valve misalignments, transfer and decant box hoses to the STSC in preparation for draft procedure walk-throughs, and ECRT-ME-601 nitrogen purge panel into test set-up. In addition, staff performed instrumentation and control system minor troubleshooting as a result of demonstration procedure dry runs.
- The truck scale for the IPOD is awaiting calibration pending availability of the new site calibration services contractor and coordination between test coordinator, engineering staff, technicians, and teamsters. Calibration is tentatively scheduled for the week of August 5, 2013.
- The ECRTS Process System Design Authorities provided comments back to the author of the draft Demonstration Procedure, PRC-STP-00826 (IPOD procedure). Procedure dry runs are in process and comment incorporation is continuing. The Engineering design staff continued to update system drawings.
- Funding for the restart of K West Basin Annex Construction, suspended in March due to sequestration, has now been approved and on July 1, 2013, the project began mobilization of the construction contractor craft to prepare for site restoration and the restart of construction. Contractor and craft hiring/training have commenced and a phased staffing plan is under development to align with engineering and fabrication deliverables. Once mobilization and training are completed, site restoration fieldwork will be initiated to return the site to pre-layup status. Construction fieldwork is scheduled to begin in early August.
- During the past few weeks construction restart preparations have included:
  - o completion of the construction water tie
  - o completion of concreted embed fabrication
  - o hiring of additional craft
  - o initiation of EJTA's and craft training submittals
  - o work package release to support mobilization
  - o mobilization of the contractor's tool trailer
  - o interviewing for additional field work supervisors
  - o completion of a draft Construction Management Plan
- In addition, Quality Assurance inspection of the concrete embeds is in process and additional work packages have been updated and are now being routed for approval.

- Review and disposition of constructability review comments for concrete were completed and structural steel comment resolution was advanced. Corresponding design changes are being initiated to support procurement, fabrication, and construction restart. Finally, the integrated schedule reflecting these efforts was further refined to reflect and track these emerging critical activities.
- K West Basin construction activities were initiated on July 15, 2013, following the hiring and training of staff and the development of work packages to support the start of fieldwork. Conductor lighting panel terminations were completed. Craft personnel also completed disconnecting conduit and wire runs. These electrical isolations facilitate removal of old hose-in-hose (HIH), settler retrieval system (SRS), and the floor & pit sludge retrieval system (FPSR) above grating equipment that would interfere with future ECRTS equipment. Work to deactivate and remove this equipment is scheduled to start next week.
- Construction personnel began removal of the legacy systems in K West Basin. This initial demolition work will remove the above-grating, obsolete systems facilitating the footprint for the ECRTS equipment installation.

## EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
<b>13-EMS-DWF&amp;RS-OB1-T1</b>	Reduce the generation and/or waste at the source.	Identify a new mission for the Cold Vacuum Drying Facility (CVDF). (CVDF has been converted to a maintenance facility and is now 142-K.)	9/30/13	100%
<b>13-EMS-DWF&amp;RS-OB3-T1</b>	Reduce energy consumption and air emission impacts associated with use of fossil fuel generators.	Develop a plan to optimize the use of fossil fuel portable generators and light plants under CHPRC management control at 100K area.	7/30/13	100%

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
<b>Days Away, Restricted or Transferred</b>	0	1	N/A
<b>Total Recordable Injuries</b>	0	4	N/A
<b>First Aid Cases</b>	1	12	7/30/13 – Employee was bitten by a bug. Body part affected: Arm (23125)
<b>Near-Misses</b>	0	0	N/A

## KEY ACCOMPLISHMENTS

- The PDSA for the STP ECRTS was formally transmitted to RL for approval on 07/09/13. This transmittal marks the completion of a significant project milestone and officially starts the RL review of this key project document.
- The Remedial Design Report (RDR) for ECRTS was approved by RL and EPA. The RDR represents the 90%+ design of the system and describes how the requirements in the CERCLA Record of Decision have been implemented.
- Safety Class Instrumentation Control (SCIC) seismic deactivation was completed at the 142K Maintenance Facility (formerly known as the Cold Vacuum Drying Facility – CVDF). This is the final deactivation to be completed at the facility and the last of the scope included in the EMS milestone.

## 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-002: STP Uncertainties	The majority of the risk mitigation strategy has been completed; only Integrated Process Optimization Demonstration (IPOD) and cold commissioning runs with final design and production hardware remains prior to installation in the basin. The project has utilized bounding design parameters to limit control systems to the extent practicable. Testing of integrated components/systems will ensure technologies are transferable to the basin application/environment.  Demonstrated TRL-4 at CD-0/1 and TRL-6 at CD-2/3.			CD-2/3 package approved and submitted, FY2014 PMB update being revised to reflect changing priorities by DOE.
STP-067A: Safety Significant Components  <b>STP-067B – OPPORTUNITY: Safety Classification of SSC’s</b>	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 DOE 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.			Continuing to evaluate strategies reduce SSC Safety Classification for out-year procurements.
STP-102: Fuel Discovered in K-West Basin	K-West Basin was inspected during a campaign in 2011. The results of the inspection determined "Reasonable Assurance" to meet the end-point criteria. If items are discovered, the items will be evaluated and dispositioned.			Continuing ongoing evaluation of items in KW Basin. Risk Transferred to KBC-092 for disposition prior to or during basin closure in FY2017/FY2018

<b>STP-ANX-024: K-Annex Design or Requirements Change or Errors &amp; Omissions</b>	Identify required design changes early in the process to minimize schedule impacts. The design reviews have been completed, the constructability review is in progress and will complete in FY2013, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a stream-lined approach for handling contractor submittals and RCIs.			Constructability Review comments being incorporated into the Design.
<b>STP-ANX-028: Annex Acquisition – Programmatic Risk</b>	CHPRC is proceeding with contract strategy for the Annex Construction.			Contracting strategy was incorporated in CD-2/3 Submittal.
<b>STP-111; Basin &amp; T-Plant Contractor/Subcontractor Performance</b>	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Utilize suspended subcontractors to minimize potential for procedural issues. Retrain 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.			Reflected revised contracting strategy for CD-2/3 Submittal
<b>PRC-061: FY 2013 Sequestration Impacts</b>	Identify impacts based on DOE prioritization.			Sequestration impacts will be implemented in the FY2014 PMB update file.
<b>PRC-058: Cost Savings Initiatives Opportunity</b>	Evaluate processes to re-sequence activities and remove unnecessary/self- imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Cost performance index is below the target of 1.04.

## 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	4.2	4.2	4.0	0.0	0.0%	0.2	5.0%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance (\$0.0M/0.0%)**

The current month variance is within reporting thresholds.

**CM Cost Performance (+\$0.2M/+5.0%)**

The current month variance is within reporting thresholds.

## 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	385.7	372.0	376.0	(13.7)	-3.5%	(4.0)	-1.1%	606.5	634.0	(27.4)

Numbers are rounded to the nearest \$0.1M

### CTD Schedule Performance (-\$13.7M/-3.5%)

The CTD schedule variance is within reporting thresholds and is driven by delays in the Annex Construction largely impacted by contractor issues, design issues and the quality stand down and more recently with the suspension of construction activities due to Sequestration.

### CTD Cost Performance (-\$4.0M/-1.1%)

Variance is within reporting thresholds.

### Estimate at Completion (EAC)

The current EAC reflects the cost estimate for the detailed schedule that has replaced previous planning packages in the project baseline. It reflects a cost estimate increase for expanded durations to complete in-basin construction and readiness activities. Also reflected are the initial impacts from work suspended due to sequestration.

Contract Performance Report Formats are provided in Appendix A.

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

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	62.3	60.2	2.1

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### Critical Path Schedule

The STP Critical Path begins with Modified Annex Construction, which has been delayed due to sequestration. This is followed by the installation of Process Equipment and then operational acceptance testing of the facility modifications and annex process equipment. Following this are readiness activities at the KW basin, the operational readiness review, and containerized sludge retrieval operations. Retrieval operations include the filling of Sludge Transport and Storage Containers (STSCs) with sludge and transferring them to T-Plant, finally completing TPA milestone M-016-176, Complete Sludge Removal from 105-KW Fuels Storage Basin.

**Baseline Change Requests**

None currently identified.

**MILESTONE STATUS**

Tri-Party Agreement (TPA) 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 October 2012, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
DNFSB 120W	Complete Sludge Treatment	DNFSB	11/30/09			A pending Implementation Plan update will address this milestone.
M-016-174	Complete final design of Sludge Retrieval and Transfer System	TPA	9/30/13		9/30/13	On Schedule

**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 currently identified.

# Section C

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



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

July 2013  
CHPRC-2013-07, 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. Central Waste Complex (CWC) supported Lampson in demobilizing and transporting the 4100 crane from Trench 94. Waste Receiving and Processing facility (WRAP) completed the 2336W annual NESHAP Stack and Stack Flow inspection. T Plant pumped and transferred approximately 259 gallons of rainwater from the 2706T railroad sump to the 225WA Lift Station. Due to evaporator heat exchanger leak, Liquid Effluent Facilities (LEF) experienced delays in processing Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal (KPG) of 7M gallons (5.44M gallons FYTD); repair path forward initiated. LEF received (calendar year [CY]) 55 tankers, 242k gallons. Projects completed routine surveillances.

## EMS Objectives and Target Status

None at this time.

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	6	26	<ul style="list-style-type: none"> <li>7/10/13 - Employee suffered bug bite. Body part affected: Arm (23102)</li> <li>7/15/13 - Employee missed a step and fell to the ground. Body part affected: Hand, knees and elbow (23105)</li> <li>7/22/13 - Employee was walking while looking at clipboard and ran into a ladder. Body part affected: Pelvis (23111)</li> <li>7/22/13 - Employee was working on a hot day and developed nausea. Body part affected: Whole body (23111)</li> <li>7/25/13 - Employee reported thumb strain from data entry. Body part affected: Thumb (23116)</li> <li>7/25/13 - Employee sustained a contusion to the wrist when watch caught on a piece of equipment. Body part affected: Wrist (23117)</li> </ul>
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 13.01 Project Management

- Continued Project Management support for high priority projects
- Continued discussions with RL regarding multiple Potential Notification of Changes
- Continued activities for Annual Performance Measurement Baseline Update

**13.02 Capsule Storage & Disposition**

- Completed air compressor exhaust hood replacement with a powered ventilator
- Performed monthly run of 225BG-GEN-1 diesel generator
- Resumed work on the new chemical addition system for 225BC cooling tower
- Completed three month vibration analysis on the supply fans, exhaust fans and pumps
- Supported pre-bid walk down for WESF roof repairs
- Completed the annual Stack Sample Line/Probe inspection

**13.03 Canister Storage Building (CSB)**

- Continued cooling coil cleaning and oil-bypass line installation on air compressor CX-1B (two of two)
- Completed maintenance activities:
  - Annual MCO Handling Machine (MHM) Tube Plug and MCO grapple inspections
  - Gaseous Effluent Monitoring System (GEMS)-100 control system upgrade - Phase II
  - Annual leak check and inspection of GEMS-100 sample line
  - Annual High Efficiency Particulate Air (HEPA) filter test for sample hood, tube vent and purge cart, and MCO cask servicing system.
  - Six-month sample hood flow meter and differential pressure indicator (DPI) calibrations
  - Exhaust fan EF-002 motor replacement
- Continued Multi-Canister Overpack (MCO) monitoring program
- Relocated MCO H-253 to sample station and completed safeguards verification for MCOs H-247 and H-253.
- Relocated MCO H-253 to storage vault

**13.07 WRAP**

- Completed 2336W annual NESHAP Stack and Stack Flow inspection
- Completed HERTR 6 month Interlock/Leak Check
- Supported development of Exception Letter to that will enable receipt and characterization of the 618-10 concrete drums.
- Completed trouble shooting and repair of the 202B exhaust fan
- Completed repair and testing efforts on the West Chiller unit
- Completed 7 Technical Safety Requirement (TSR) surveillances
- Completed 12 Preventive Maintenance (PM) packages
- Completed 76 Radiological (Rad) surveillances
- Completed 36 Operational surveillances
- Shipments
  - One (1) shipment of MLLW totaling one (1) waste package was shipped from WRAP to PermaFix North West (PFNW) for treatment (drum hauler).

**13.08 T Plant**

- Pumped and transferred approximately 259 gallons of rainwater from the 2706T railroad sump to the 225WA Lift Station
- Celebrated the 70th anniversary of T Plant's official groundbreaking on June 26, 2013
- Completed fire backflow PM for 271T/221T
- Supported an enhanced work plan (EWP) for repair of various fire barrier penetrations
- Completed 271T elevator inspection
- Completed five TSR surveillances
- Completed 19 PM packages
- Completed 321 Rad surveillances
- Completed 227 Operational surveillances

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

- Supported Lampson in demobilizing and transport of the 4100 crane from Trench 94
- Initiated Fire System piping slope evaluation in 2404WA
- Performed monthly application of fixative to lower portion of concrete waste box 231ZDR-11 and surrounding gravel area
- Received five waste boxes from PFNW
- Supported MSA vegetation control spraying activities within the CWC Complex around all waste storage buildings
- Completed removal of Tritium exit signs in 2403WC and 2403WD
- Completed five TSR surveillances
- Completed 22 PM packages
- Completed 188 Rad surveillances
- Completed 77 Operational surveillances
- Shipments
  - o Received three (3) shipments of TRU waste totaling fifteen (15) waste packages (i.e., drums, SWBs and an SLB2) into the CWC from PFP
  - o Received one (1) shipment of TRU waste into the CWC from PFNW totaling five (5) SWBs (size reduced and repackaged PFP glove box waste)
- Supported DOE-RL's visit to Idaho National Laboratory (INL) to view and evaluate INL's TRU waste management capabilities for receipt and processing of Hanford waste

**13.11 Liquid Effluent Facilities (LEF)**

- Processing delayed this month due to leak in evaporator heat exchanger. Effluent Treatment Facility (ETF) processing toward Key Performance Goal of 7M gallons (5.51 M gallons FYTD)
- Received (calendar year [CY]) 55 tankers; 242k gallons
- Treated effluent to State-Approved Land Disposal Site: 0M gallons (3.4M CY)
- Discharged 2.42M gallons (13.05M CY) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (287k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (01.38M CY)
- 310 Retention Transfer System (RTS): CY 67k gallons
- **Operations Activities**
  - o Performed cleanout of main treatment train (MTT) and evaporator due to leak
  - o Processed brine through the thin film dryer (TFD) and generated 36 Basin 42 powder drums
  - o Received 10 customer waste water drums which will be added to concentrate tanks for processing through the TFD
  - o Continued receiving:
    - Mixed Waste Trench leachate tankers
    - Perched water tankers from BP-5
    - Waste water tankers from 100 Area
  - o Received 1000 gallons of 50 percent Sodium Hydroxide.
  - o Received laboratory results for stabilization of high chromium powder
- **Heat Exchanger Repair Activity**
  - o Awarded contract for heat exchanger repair
  - o Removed insulation and decontaminated heat exchanger surface
  - o Completed Non-Destructive Examination of weld for flange attachment to shell of heat exchanger (visual of entire weld, dye penetrant of crack)
  - o Completed engineering evaluation on acceptability of use for heat exchanger repair
  - o Approved design of clamp assembly
- **Maintenance Activities**
  - o Replaced failed level element on Thin Film Dryer (TFD)

- o Replaced the TFD distillate pump (60J-P-3)
- o Replaced pressure safety valve on portable air dryer
- **Liquid Effluent Retention Facility (LERF) Basin activities**
  - o **All Basins**
    - Continued with surveys/posting verification activities
    - Completed monthly inspections with no cover breaches identified
    - Completed installation of wind screen material on south LERF perimeter fencing
    - Continued to supply a clean water source as alternative for wild life
  - o **Basin 44:**
    - Stop work was lifted for movement of LERF vegetation with installation of wind screen, covering of vegetation piles, and proof of process for vegetation removal
    - Consolidated vegetation piles on the Basin edge
    - Fabricated and installed cover assemblies on last two vegetation piles
    - Modified work document to support new vegetation process
    - Continued vegetation removal from Basin edge
  - o **Basin 43**
    - 25 percent of water removed from Basin 43 cover
  - o **Basin 42**
    - Successfully mocked up and removed vegetation from Basin edge
- 13.12 Integrated Disposal Facility**
  - Completed required monthly, quarterly and annual calibrations and 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
  - Completed 16 Radiological surveillances
  - Completed four Operational surveillances
  - Shipments
    - o Received four shipments of M/LLW totaling six waste packages (i.e., drums and boxes) in from PFNW and disposed into Trench 31

## MAJOR ISSUES

**Issue** – There was a biological contamination spread at LERF Basin 44.

**Corrective Action** – Resources were deployed and will continue to be used in response and recovery.

**Status** – Surveys and air monitoring continue; continuing to work with MSA on bird deterrent methods; work package approved to remove vegetation, water, soil and debris from the cover; continue with water, vegetation, and soil removal; establish second water removal system to prevent re-accumulation of water; once water and sediment are removed, a comprehensive cover inspection will be performed and path forward developed for repairs based upon inspection results (no breaches identified).

### 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-0013</b>				
<b>PRC-007: ERDF WAC Revised</b>	Provide budget for waste treatment and disposal to ERDF. Package and deliver waste in accordance with ERDF waste profiles. Waste profiles are assumed to be compliant with ERDF WAC			No issues at this time.
<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.			CHPRC continues to negotiate with the Washington State Department of Ecology regarding the waste that is currently stored at the Hanford Site. However, negotiations may result in an Agreed Order that directs changes to how waste is managed at the Hanford Site.
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.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
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.			Continuing to address biological contamination at LERF and Trench 94.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY13 or beyond.
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>Continue to sample and monitor area. LERF cover cleaning and inspection continuing.</li> <li>Continuing repairs on ETF Heat Exchanger. <b>Heat Exchanger will require replacement.</b></li> <li>Continuing to experience greater than planned maintenance at ETF and LERF.</li> <li>CWC Risk – CWC Fire Sprinkler repaired</li> <li>Contract initiated to replace WESF roof.</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.			<ul style="list-style-type: none"> <li>Working with RL on Agreed Order(s)</li> <li><b>Developing Permitting Strategy.</b></li> </ul>
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Cost Performance for FYTD less than planned. Emerging issues/realized risks offsetting planned efficiencies.

## 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	6.6	6.3	5.4	(0.3)	-4.5%	0.9	14.6%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (-\$0.3M/-4.5%)

The current period schedule variance is within threshold.

#### CM Cost Performance (+\$0.9M/+14.6%)

The favorable current period cost variance is primarily the result of continued implementation of planned efficiencies.

## Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	772.1	771.4	755.3	(0.7)	-0.1%	16.1	2.1%	1,344.5	1,327.3	17.2

Numbers are rounded to the nearest \$0.1M

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

The unfavorable schedule variance is within threshold.

#### CTD Cost Performance (+\$16.1M/+2.1%)

The favorable cost variance is within reporting threshold.

#### Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from June to July are within reporting thresholds.

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

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

WBS 013/RL-0013 Waste and Fuels Management Project	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0013	82.7	79.2	3.5

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### Critical Path Schedule

Critical path analysis can be provided upon request.

### Baseline Change Requests

None currently identified.

## MILESTONE STATUS

Tri-Party Agreement (TPA) 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 October 2012, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
<b>M-091-40U-T01</b>	Retrieve a minimum of 250 cubic meters of CH RSW in FY2012	TPA	9/30/12			Missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12, notified. Ecology milestone would not be met.
<b>M-091-46B-T01</b>	Certify 300 cubic meters of small container CH TRUM waste	TPA	9/30/12			Missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12; notified Ecology milestone would not be met.

## SELF-PERFORMED WORK

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



R. S. Popielarczyk  
Vice President and  
Project Manager for  
Soil and Groundwater  
Remediation Project

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

July 2013  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Work included Pump-and-Treat (P&T) Operations and 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 July includes the following:

- 24.5M gallons groundwater treated by KX treatment facility
- 8.0M gallons groundwater treated by KW treatment facility
- 13.1M gallons groundwater treated by KR-4 treatment facility
- 32.2M gallons groundwater treated by HX treatment facility
- 25.3M gallons groundwater treated by DX treatment facility
- 63.7M gallon groundwater treated by 200W treatment facility
- 166.8M gallons of groundwater treated total

Sampling	July	FY2013 Cumulative
Well Sampling Events	200	1,845
Aquifer Tube Sampling Events	0	449
Total Number of Sampling Events	200	2,294
Samples Collected	286	8,260
Analyses Performed	1,437	17,793

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB2-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Establish a baseline for air emissions at the 200 West Pump and Treat Facility.	10/30/13	On schedule
		A tabulation of emissions, in mass (pounds, kilograms, milligrams, etc.) per year, for constituents of concern (i.e. all constituents analyzed for during quarterly sampling events). Progress will be reported at 25% increments.	Quarterly	Progress at 75%
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	Complete
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	1.6B Gallons treated through 7/31/13
13-EMS-SGWR-OB4-T1	Improve worker awareness of the CHPRC Environmental Management System (EMS)	Provide CHPRC EMS worker awareness training to S&GRP staff, to include: CHPRC Environmental Policy, each person's role in the EMS, S&GRP contributions to the EMS, and identification of key CHPRC programmatic and project environmental points-of-contact.	9/30/13	On schedule

Objective #	Objective	Target	Due Date	Status
		Presentation material and training/class attendance sheets, submitted to EP Director at end of each quarter. Progress reported at 25% increments.	Quarterly	Progress at 75%
13-EMS-SGWR-OB5-T1	Reduce the generation and/or toxicity of waste at the source	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under SGWR management control.	9/30/13	On schedule
		This target will be met upon completion of the proposed actions. Progress will be tracked based on 50% for each completed action.	Monthly	Ongoing Progress at 83%
13-EMS-SGWR-OB6-T1	Maximize the acquisition and use of environmentally preferable products.	Evaluate S&GRP chemical inventory and identify candidates for substitution (toxicity reduction) and choose one chemical for evaluation, based on chemical user input.	3/15/13	100% Complete
		Purchase minimum amount of chemical needed for evaluation and ask users to assess product's viability as an adequate substitute.	9/30/13	On schedule

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	3	22	<p>7/1/2013 – Employee felt a bite or sting to his right leg. HPMC provided Cortisone 10 cream and employee returned to work without restriction. (23101)</p> <p>7/22/2013 – Employee felt a bite or sting to his left leg. After observation by HPMC employee was returned to work without restriction. (23112)</p> <p>7/29/2013 – Employee had rested leg on ecology block (24 in high) while making a cellphone call. Employee noted numbness and tightness in knee when he lowered his leg. The condition had not changed later in the day and employee was taken to HPMC and was released to work with no restriction after evaluation. (23119)</p>

	CM Quantity	Rolling 12 Month	Comment
Near-Misses	1	2	7/26/2013 – A pipe failure occurred on a T fitting in an isolated section of sludge system piping downstream of centrifuge pump B. The break caused pieces of pipe material to fly out in a variety of directions resulting in minor damage to other facility components. No personnel were in the facility at the time of the pipe break. No operational equipment was affected as a result of the break. There was no release of sludge material to the environment.

## KEY ACCOMPLISHMENTS

### RL-0030.01 RL 30 Operations

#### RL 30 Integration & Assessments

##### Technical Integration

- TC&WM EIS Model Transition –All of the TC&WM EIS model software that was transmitted from ORP to RL has been graded and archived in newly established software projects.
- Public Comment meetings were held in July in Richland and Seattle on the 300 Area Proposed Plan.

##### DOE O 435.1 Assessments

- IDF PA – Provided cost estimate proposal to RL.

#### River Corridor

##### 100-F/IU Operable Unit

- The Working Draft Rev 0 of the RI/FS Report (DOE-RL-2010-98) and Proposed Plan (DOE-RL-2012-41) were transmitted to RL and EPA on July 23, 2013. Comments on these working drafts are due August 23, 2013; however, EPA has expressed delaying the submittal of the Proposed Plan for public comment until January 2014. The schedule is currently being evaluated.

#### Central Plateau

##### 200 West Pump and Treat

- During the month of July 2013, the pumping rates for the 200 West P&T ranged from 1,095 gpm to 1,897 gpm.
- During this past month, the two ion exchange resin trains were run between 484 gpm and 560 gpm combined capacity, removing technetium-99 from groundwater from selected wells near the TX-TY Tank Farm, T Tank Farm, as well as S-SX Tank Farm.
- Approximately 251 kg of carbon tetrachloride and 4,343 kg of nitrate as N (19,226 kg nitrate as NO<sub>3</sub>) were recovered during the month of July 2013.
- The most recent concentration of the contaminants of concern in the effluent water following treatment is found in the table below.

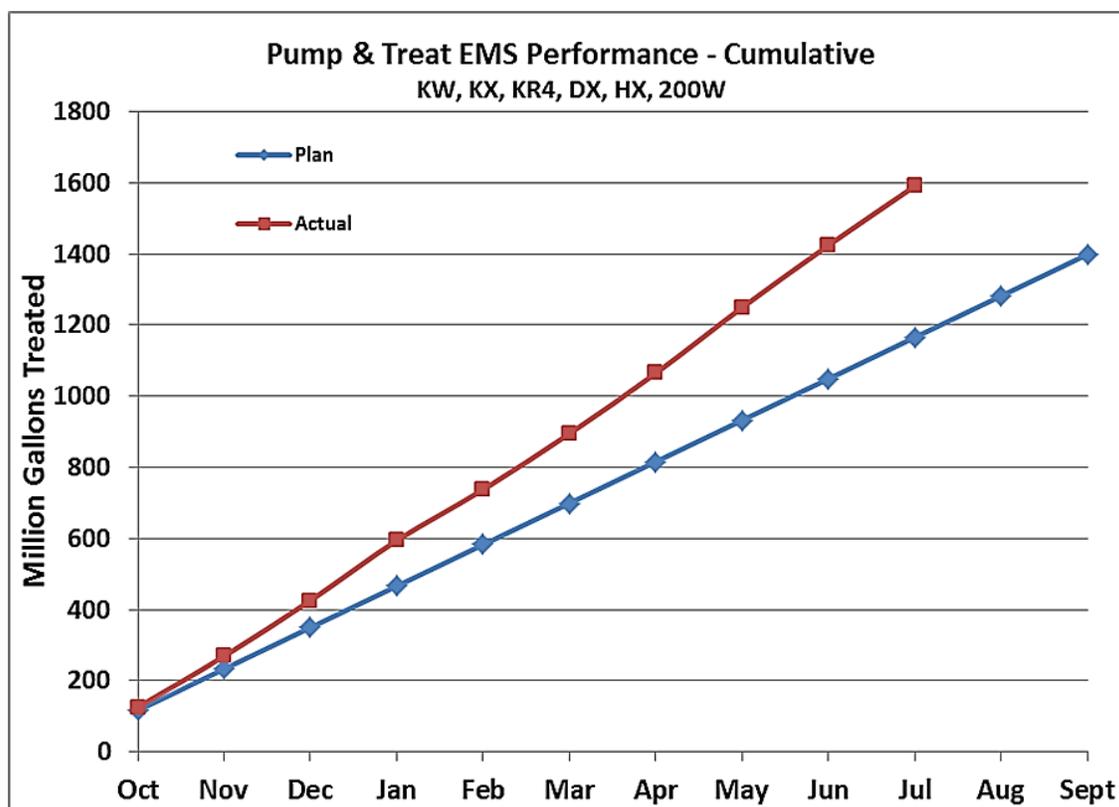
Contaminant Of	Average Effluent	Cleanup Level Specified in Record of Decision
Nitrate	6,340 µg/L	10,000 µg/L
Carbon Tetrachloride	<2 µg/L	3.4 µg/L
TCE	<1 µg/L	1 µg/L
Total Chromium	3.98 µg/L	100 µg/L
Hexavalent Chromium	<2 µg/L	48 µg/L
Iodine-129	<0.166 pCi/L	1 pCi/L
Technetium-99	26 pCi/L	900 pCi/L
Tritium	3,900 pCi/L	20,000 pCi/L

**200-DV-1 Operable Unit**

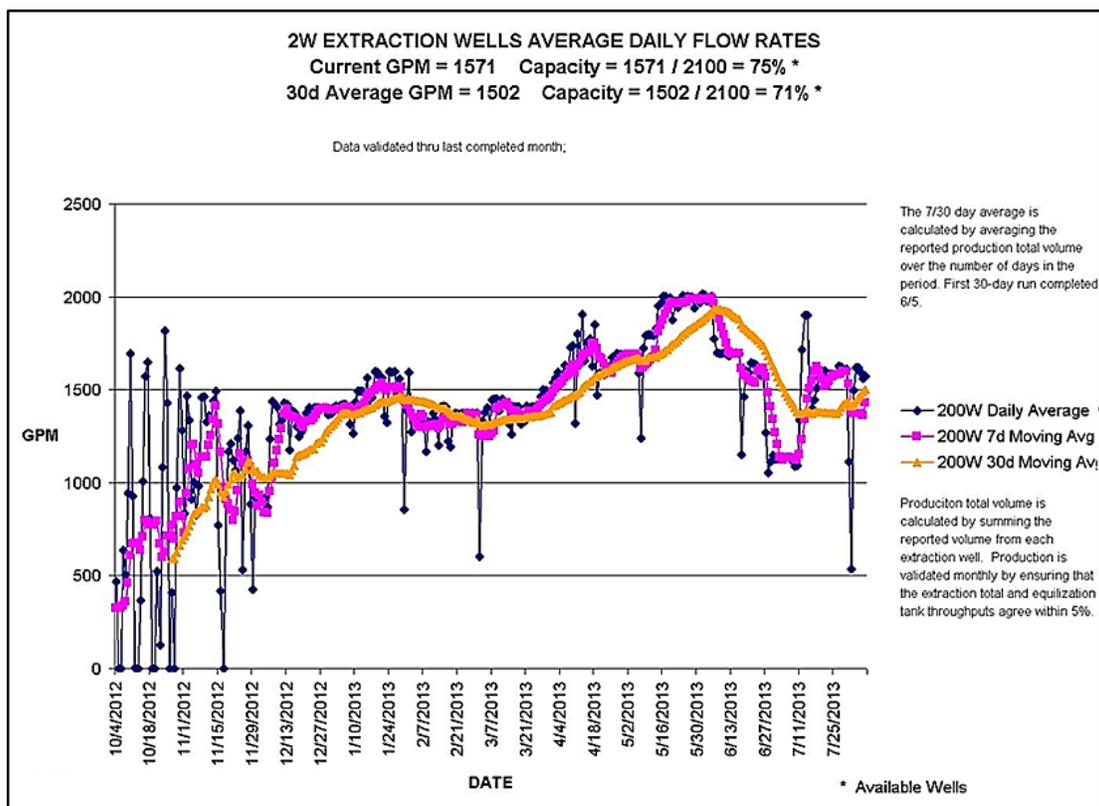
- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,190 gallons during the month of July, bringing the total volume of perched water removed to 143,640 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of July:

Contaminant	June	Cumulative (since startup)
Tc-99	16E-04 Ci	16.9E-03 Ci
Uranium	1.16 kilograms	21.8 kilograms
Nitrates	19.75 kilograms	303.1 kilograms

**Pump and Treat Operations – FY2013**



## 200 West Pump and Treat Operations



## MAJOR ISSUES

**Issue** – The State Historic Preservation Officer (SHPO) determination has not been finalized for 100-BC Well. The Cultural Resources Review (CRR) was submitted January 11, 2013 to MSA. On April 4, 2013 State Historic Preservation Officer rejected the CRR due to outstanding issues with Bonneville Power Administration. The CRR documentation was advanced to the Advisory Council on Historic Preservation (ACHP) (National Review Board) in June.

### Corrective Action –

- Select mobilization activities were put on hold pending a decision from ACHP and the Tribes
- Supporting RL with the ACHP and Tribal submittals and responding to questions
- Once a final determination has been made, CHPRC will assess overall impact and if appropriate, provide a notification to RL of additional cost and schedule associated with completion of this work.

**Status** – RL approval to proceed was not received in July and attainment of the TPA Milestone is highly unlikely. A request to extend the milestone date was prepared and sent to RL for review, approval and submittal to the regulatory agencies on July 30, 2013. The TPA Change Form must be submitted no later than August 12, 2013 to meet the TPA requirement for advance notice of delayed or missed milestones.

**Issue** – The number of comments from EPA on CERCLA documents and the need for policy and technical decisions is impacting completion of the RI/FS Report and Proposed Plan for the 300 Area. EPA continues to provide new comments on the documents and revising previous agreements, and is impacting the progress toward finalizing a Record of Decision (ROD) for the 300 Area within FY2013.

**Corrective Action –**

- Documenting unresolved issue for resolution by Senior Management at RL and EPA.
- Supporting RL in resolving the comments and providing technical justification for RL to accept and/or reject specific comments from EPA.
- Frequent working sessions with RL to address comments and resolve issues.

**Status –** RL and EPA Senior Management have resolved the outstanding issues. The 300 Area CERCLA documents were finalized on July 9, 2013. This is the last report of this issue.

**Issue -** The 100-K RI/FS documents are on hold while discussions proceed determining path forward associated with:

- Data gaps/data needs path forward at waste sites in proximity to the 100-K East Reactor (integrating with PBS 41)
- Data gaps/data needs path forward at 100-K-111 and 100-K-64 near the river (integrating with WCH)
- Technology changes associated with 118-K-1 burial ground (integrating with WCH)

**Corrective Action –** General agreement with RL to update the RI/FS once to incorporate the path forward for each action. Determining timing and scope associated with each issue regarding implementation into the RI/FS. Provided RL with options and recommended path forward for each item. Additional discussions are necessary to reach decision.

**Status –**

- Data Quality Objectives (DQO) complete; resolving RL comments on sampling instructions. Awaiting notice to proceed for field activities.
- RL meeting with Tribal representatives to revise, or develop new Memoranda of Agreement for characterization in culturally sensitive areas. Field work began in July.
- No additional efforts at this time.

**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-0030/WBS 030</b>				
<b>SGW-008J Regulatory Document Comments – 300-FF-5</b>	Routine and comment review meetings to remain current on influences from regulators, and provide technical justification for the proposed path forward.			The Rev. 0 RI/FS and PP were finalized on July 9, 2013 and submitted for public comment. This is the last report for this risk.
<b>SGW-045: Regulator Comments Change Requirements</b>	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.			Working with the customer on recent issues with MCL vs. Risk Based Evaluations used in the River Corridor RI/FS documents. The proposed changes have impact on the River Corridor RI/FS and PP documents. Assisted customer in development of a white paper for discussion with the regulators. Path forward on recent issues is being negotiated between the Tri Parties. These negotiations continue to cause rework in both the RI/FS and PP documents.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0030/WBS 030</b>				
<b>SGW-080: 100-BC-5 Pump and Treat Required</b>	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require a <b>Contract Modification</b> .			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary. The well drilling work has been impacted due to delays in reconciling issues with the State Historic Preservation Officer (SHPO) over the findings of the Cultural Resource Review (CRR) performed by MSA for the well installations. <b>MSA approval to proceed was not received in July and attainment of the TPA Milestone is highly unlikely. A request to extend the milestone date was prepared and sent to RL for review, approval and submittal to the regulatory agencies on July 30, 2013. The TPA Change Form must be submitted no later than August 12, 2013 to meet the TPA requirement for advance notice of delayed or missed milestones.</b>
<b>SGW-081: 100-FR-3 Pump and Treat Required</b>	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require a <b>Contract Modification</b> .			EPA concurred that need for pump and treat will be evaluated as part of RI/FS process. The draft feasibility study has evaluated P&T as viable in two alternatives. The recommended preferred remedy is MNA. The Draft A RI/FS has been reviewed by the Regulators and there is preliminary agreement with the preferred remedy. The Proposed Plan is expected to go out for public review in the Fall of 2013.
<b>SGW-157: Transfer of EIS Tank Waste Model</b>	CHPRC does not maintain or have contractual responsibility for the development of the Tank Waste EIS data system. CHPRC will work with DOE to transfer the EIS technology document complete with electronic appendices.			Received all components except two Apple Macintosh computers.
<b>SGW-158: Phase-I Tank Waste EIS Model Transition</b>	CHPRC developed a two-phase test plan to enable the TC&WM EIS Model to be transferred from ORP/WRPS to RL/CHPRC to 1) be placed under configuration control and demonstrate that key EIS cases can be rerun and results are consistent, and 2) be revised and updated for additional uses in support of the Hanford Site mission. Additional analysis will be at the request of the Contracting Officer.			Received material and running software code.
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Installation of additional injection wells and extraction wells to achieve the targeted 2,000 gpm pumping rates will be impacted by the sequestration. Only 4 of 8 wells planned to be drilled in FY2013 <b>have now been installed</b> . However, dollars <b>have now been approved</b> to hook up the 3 new extraction wells and one new injection well to the 200 West P&T in FY13 which should help.			The extraction/injection well network that is currently on line has successfully provided sufficient flow rates to achieve an average pumping rate of >1,900 gpm for a 30 day period to meet the first half of an FY13 performance incentive. However, a manganese oxide precipitate found coating the inside of injection well screens and transfer lines is now negatively impacting pumping rates.
SGW-156,100K Groundwater Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units. Well installation may be prioritized across the Soil and Ground water project within the current funding authorization. Well installation prioritization will be a joint effort between CHRPC and DOE.			At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling in the vicinity of KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-0030/WBS 030</b>				
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.	●	↔	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↑	Two Long-Lead CHPRC initiated procurements remain. In final closure with one of the contractors and negotiations continue with the other.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.	●	↑	Cost Performance for July remains above the CPI Target of 1.08 for the Fiscal Year.
<b>PRC-061: FY 2013 Sequestration Impacts</b>	Identify impacts based on DOE prioritization.	●	↔	Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

## 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 (%)
<b>RL-0030.C1 GW Remedy Implement</b>	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0
<b>RL-0030.O1 RL 30 (Operations)</b>	8.4	6.8	5.9	(1.6)	-19.6	0.8	12.4
<b>RL-0030.R1.1 Cleanup Operations</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>RL-0030.R1.2 Well Drilling Operations</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>RL-0030.R1.3 Support Operations</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Total</b>	<b>8.4</b>	<b>6.8</b>	<b>5.9</b>	<b>(1.6)</b>	<b>-19.6</b>	<b>0.8</b>	<b>12.4</b>

Numbers are rounded to the nearest \$0.1M.

#### CM Schedule Performance (-\$1.6M/-19.6%)

Current month schedule variances that exceed reporting thresholds are as follows:

#### **RL-0030.O1 RL 30 Operations (-\$1.6M/-19.6%)**

##### Drilling (-\$1.0M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 are delayed as a result of the Sequestration funding reductions. Also, the BC-5 well drilling and hyporheic sampling activities are on hold as a result of delays in receiving cultural, ecological, and NMFS approvals. Efforts continue to obtain the necessary approvals to complete as much of the BC-5 well drilling and sampling as possible for FY13. Received KR-4 and HR-3 well drilling buyback approval on July 17, 2013.

##### GW Monitoring and Performance Assessments (-\$0.3M)

Geophysical logging activities associated with HR-3, KR-4, M-24 and ZP-1 well drilling activities cannot be completed until the wells can be drilled. These delays are a result of the Sequestration funding reductions. Received KR-4 and HR-3 well drilling buyback approval on July 17, 2013.

**CM Cost Performance (+\$0.8M/+12.4%)**

Current month cost variances that exceed reporting thresholds are as follows:

**RL-0030.O1 RL 30 Operations (+\$0.8M/+12.4%)**

100-KR-4 Operable Unit (+\$0.4M)

The current month favorable cost variance is due to performing operations LOE activities more efficiently than planned and not having to process Dowex 21k resin with the switch to SIR-700. As a result, savings are being realized in sampling, lab costs, shipping, and regeneration cost. Savings are also being achieved by loaning craft resources to other projects whenever possible and by overtime management.

### 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)
<b>RL-0030.C1 GW Remedy Implement</b>	73.4	73.4	87.0	(0.0)	-0.0	(13.6)	-18.5	73.4	87.1	(13.7)
<b>RL-0030.O1 RL 30 (Operations)</b>	551.3	542.3	528.0	(8.9)	-1.6	14.4	2.6	1,154.9	1,141.5	13.4
<b>RL-0030.R1.1 Cleanup Operations</b>	175.0	175.0	174.4	0.0	0.0	0.6	0.3	175.0	174.4	0.6
<b>RL-0030.R1.2 Well Drilling Operations</b>	40.7	40.7	38.4	0.0	0.0	2.4	5.8	40.7	38.4	2.4
<b>RL-0030.R1.3 Support Operations</b>	<u>51.4</u>	<u>51.4</u>	<u>51.1</u>	<u>(0.0)</u>	-0.0	<u>0.3</u>	0.5	<u>51.4</u>	<u>51.1</u>	<u>0.3</u>
<b>Total</b>	<b>891.8</b>	<b>882.9</b>	<b>878.8</b>	<b>(8.9)</b>	<b>-1.0</b>	<b>4.0</b>	<b>0.5</b>	<b>1,495.5</b>	<b>1,492.5</b>	<b>3.0</b>

Numbers are rounded to the nearest \$0.1M.

**CTD Schedule Performance (-\$8.9M/-1.0%)** – Schedule performance is within reporting thresholds.

**RL-0030.O1 RL 30 Operations (-\$8.9M/-1.6%)**

Drilling (-\$5.1M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 are delayed as a result of the sequestration funding reductions. Received KR-4 and HR-3 well drilling buyback approval on July 17, 2013. Well drilling will begin in August. The BC-5 well drilling and hyporheic sampling activities are on hold as a result of delays in receiving cultural, ecological and NMFS (received July 29, 2013) approvals. Efforts continue to obtain the necessary approvals to complete as much of the BC-5 well drilling and sampling as possible for FY2013. However, the variance is expected to continue to grow throughout the remainder of the fiscal year.

**CTD Cost Performance (+\$4.0M/+0.5%)** – Cost performance is within reporting thresholds. Variances that exceed threshold are primarily the result of prior year activity that has been previously reported:

**RL-0030.C1 GW Remedy Implement (-\$13.6M/-18.5%)**

200-ZP-1 Operable Unit (-\$13.6M)

The variance is primarily due to 200 West Pump-and-Treat cost for the construction contractor's completed work scope as defined in change notifications as well as increased cost for the sludge stabilization system installation.

**RL-0030.O1 RL 30 Operations (+\$14.4M/+2.6%)**Integration and Assessments (+\$6.5M)

The variance is primarily the result of less subcontractor support required for Central Plateau strategy development in prior years due to deferral of decision document activities as a result of funding reprioritization. This work has been rescheduled.

Drilling (-\$2.7M)

The negative cost variance is primarily the result of radiological contamination encountered in prior year drilling activity on NR-2 wells; which has been previously reported.

Project Management (+\$3.8M)

CTD underruns are a result of efficiencies and savings that have been achieved labor, contracts, materials over the entire contract period. These underruns are expected to continue as the management account achieves the efficiencies necessary to meet the overall project funding objectives.

Integrated Field Work (+\$3.0M)

Efficiencies have been obtained by reducing subcontracts, reducing the number of cell phones, returning rentals, and loaning labor to other projects for better utilization of personnel. These efficiencies have helped operate with reduced funding constraints.

100-KR-4 Operable Unit (+\$3.4M)

The CTD favorable cost variance is due to performing operations LOE activities more efficiently than planned and not having to process Dowex 21k resin with the switch to SIR-700. As a result, savings are being realized in sampling, lab costs, shipping, and regeneration cost. Savings are also being achieved by loaning craft resources to other projects whenever possible and by overtime management.

100-NR-2 Operable Unit (+\$2.6M)

The positive cost variance is primarily the result of savings achieved in prior years in completing barrier expansion sampling, chemical treatment, maintenance, jet grouting pilot test, and RI/FS work scope for less than planned.

200-PW-1 Operable Unit (+\$2.4M)

The positive cost variance is primarily the result of efficiencies realized in general operations and other savings as a result of obtaining Regulator approval to not run Soil Vapor Extraction Units (SVEs) in FY2013.

Regulatory Decisions and Closure Integration (+\$2.1M)

The positive cost variance is due to completing work scope more efficiently than planned, primarily in the areas of multi-incremental sampling, borehole drilling, landfill characterization and document preparation for BC-1 validation and Data Quality Assessment (DQA) Reports.

Ramp-up and Transition (-\$2.8M)

The cost variance is primarily the result of increased prior year Project Services Distribution.

**RL-0030.R1.2 Well Drilling Operations (\$2.4M/5.8%)**Drilling (+\$2.4M)

The positive cost variance is primarily the result of savings achieved in 100-NR-2 and 200-BP-5 well drilling activities in a prior year.

**RL-0030.R1.3 Support Operations (+\$0.3M/+0.5%)**Regulatory Decisions and Closure Integration (+\$1.7M)

The positive cost variance is primarily the result of efficiencies obtained in a prior year for multi-incremental sampling, borehole drilling, and landfill characterization work scope.

**Estimate at Completion (EAC)**

The projected Variance at Completion of 0.1% is not significant.

The EAC 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	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	93.5	86.4	7.0

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Funding includes FY2012 carryover, FY2013 new Budget Authority, new Budget Authority of \$1,216K for BC-5 well drilling/aquifer tubes (per Change Order 222) and new Budget Authority of \$1,746.8 for HR-3 and KR-4 well drilling/realignments

### Critical Path Schedule

Critical path analysis can be provided upon request.

### Baseline Change Requests

None currently identified.

### FY2013 Management Reserve (Funded): \$0.3M

No Management Reserve was used during July.

## 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 October 2012, 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-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013	7/29/13		Complete per M-24-13-01
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY2013 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-76	Install additional wells monitoring network as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	11/30/13		12/30/13	In Jeopardy. A request to extend the milestone date was prepared and sent to RL for review, approval and submittal to the regulatory agencies on July 30, 2013.
M-015-77	Install additional aquifer tubes as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	11/30/13		9/26/13	On schedule NMFS approval received July 29, 2013
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr FY2013 Burial Ground Sample Results	TPA	12/15/13		12/15/13	On Schedule
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			13-AMRP-0136 notified Regulators of Sequestration impacts. Forecast Under Negotiation
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			13-AMRP-0136 notified Regulators of Sequestration impacts. Forecast Under Negotiation
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr FY2014 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14		6/1/14	On Schedule
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr FY14 Burial Ground Sample Results	TPA	6/15/14		6/15/14	On Schedule
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14		6/30/14	On Schedule

## SELF-PERFORMED WORK

The Section H. 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)

**July 2013**  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) site housekeeping (weed spraying), conducted 84 radiological facility surveillances, completed 30 Preventive maintenance (PM) activities, completed Non-Destructive Analysis of B-Plant connex boxes, conducted 200W Tri-Annual Area WIDS site surveillances and replaced 241-CX utility power source..

## EMS Objectives and Target Status

None at this time.

## 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 241-CX-70/71/72 annual surveillance
- Completed U-Plant annual surveillance
- Conducted 84 radiological facility surveillances
- Completed 30 Preventive maintenance (PM) activities
- Completed Non-Destructive Analysis of B-Plant connex boxes
- Performed Waste Information Data System (WIDS) site housekeeping (weed spraying)
- Conducted 200W Tri-Annual Area WIDS site surveillances
- Replaced 241-CX utility power source

## MAJOR ISSUES

No major issues to report this month.

### 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-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.			Continuing to address areas with asbestos concerns. However, sequestration is impacting ability to stabilize/remove and monitor asbestos areas within the Central Plateau.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Continuing to maintain Fiscal Year Cost Performance Index (CPI) greater than 112%.

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

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.8	0.8	0.7	(0.0)	-0.0%	0.2	18.6%

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

**CM Cost Performance: (+\$0.2M/+18.6%)**

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	373.9	373.6	345.3	(0.3)	-0.1%	28.3	7.6%	488.7	460.4	28.3

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

### CTD Cost Performance: (+\$28.3M/+7.6%)

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 (\$-15.4M). 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 (\$7.4M) 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 (\$1.3M), S&M costs less than expected (\$2.7M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$2.9M) and under run in overhead allocations (\$1.4M).

### Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from June to July are within reporting thresholds.

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

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

FY2013			
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Spend Variance
RL-0040	13.0	12.4	0.6

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### 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. clause entitled, Self-Performed Work, is addressed in the Monthly Report 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)

**July 2013**  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Continued working on the Facility Hazard Categorization documentation. Continued planning for disposition/disposal of legacy waste from the 100K area (impacted by sequestration). Continued progress on the D&D process development.

## EMS OBJECTIVES AND TARGET STATUS

None at this time.

## TARGET ZERO PERFORMANCE

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

## KEY ACCOMPLISHMENTS

- Completed revisions to the 105KE Facility Hazard Categorization. Document transmitted to RL for comments.
- Continued planning for disposition/disposal of legacy waste items for the 100K Area.
- Continued review of remediation and decommissioning work packages in preparation for restart of D4 activities.
- Supported RL with documentation to respond to EPA Region 10 CAA Sec. 114 Information Request.
- Continued progress on the D&D process development.

## MAJOR ISSUES

No major issues to report this month.

### 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-0041</b>				
KBC-ISS-003: Removal and Abatement of material from KE Reactor	Maintain communication through interface and project review meetings with DOE and regulators so concurrence on cleanout strategy will be obtained.			The reactor is in a surveillance mode.
KBC-043: Waste Site Remediation Completion Requirements	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			CHPRC evaluated installing 2 high-risk monitoring wells to monitor the sites. The installation of the wells represents a potential contract change. However, due to sequestration, this work is unlikely to be funded in FY2013.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 102%. Cost Performance above 102% for first fiscal year.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
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.			Continuing to address areas with asbestos concerns. Due to sequestration impacts, semi-annual surveillance of prior demolition waste sites may not be completed.

### PROJECT BASELINE PERFORMANCE

Current Month  
(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.5	0.5	0.2	(0.0)	-8.4%	0.3	57.1%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance (-\$0.0M/-8.4%)**

The variance is within reporting threshold.

**CM Cost Performance (+\$0.3M/+57.1%)**

The variance is within reporting threshold.

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

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	301.6	300.4	279.3	(1.2)	-0.4%	21.0	7.0%	467.5	449.0	18.8

Numbers are rounded to the nearest \$0.1M

### CTD Schedule Performance (-\$1.2M/-0.4%)

The schedule variance is within reporting thresholds and is due to the deferral of planned ISS scope pending RL authorization to rephase to 2015 or beyond and Waste Site Area AM not being worked in prior years due to higher priority workscope.

### CTD Cost Performance (+\$21.0M/+7.0%)

The positive CTD cost variance is primarily the result of prior year activity that has 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.

### Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The changes in EAC from June to July are within reporting threshold.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	9.8	8.9	0.9

Numbers are rounded to the nearest \$0.1M.

### Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### 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. clause entitled *Self-Performed Work* is addressed in the Monthly Report 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)

**July 2013**  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

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

## EMS OBJECTIVES AND TARGET STATUS

None at this time.

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

## KEY ACCOMPLISHMENTS

- Completed nine PM activities/operational surveillances
- Completed four radiological surveillances

## MAJOR ISSUES

None 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-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.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			FFTF performing above Cost Performance of 102%.
<b>FFTF-013: DOE/ENW Agreement Concerning 400 Area Sewer Flow</b>	ENW notified RL that consistent with the agreement between the two entities for the 400 Area sewer flow, effective January 1, 2014 ENW would no longer accept waste water from the 400 Area.			A contract modification was received in June to modify or provide a new system for the 400 Area Sanitary Sewer System and eliminate discharges to ENW by 12/31/13. <i>Project specific risks were developed in parallel with proposal preparation.</i>

### PROJECT BASELINE PERFORMANCE

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

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.1	0.1	0.1%	0.1	44.2%

Numbers are rounded to the nearest \$0.1M

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

The current period schedule variance is within thresholds.

**CM Cost Performance: (+\$0.1M/+44.2%)**

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	15.5	15.5	13.2	0.0	0.0%	2.3	14.7%	26.6	24.4	2.3

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 (+\$2.3M/+14.7%)

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

### Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The change in EAC from June to July is within reporting thresholds.

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

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

RL-0042 FFTF Closure	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.4	2.0	0.3

Numbers are rounded to the nearest \$0.1M

### Funds Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

### Critical Path Schedule

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

### Baseline Change Requests

BCR-042-13-001R0 – *RL-42 400 Area Sanitary Sewer System*

## **MILESTONE STATUS**

None currently identified.

## **SELF-PERFORMED WORK**

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

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

None currently identified.

# Appendix A

## Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



July 2013  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD						
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 06 / 24						
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) 2013 / 07 / 21						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST 5,451,637	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 6,257		d. TARGET PROFIT/ FEE 227,695	e. TARGET PRICE 5,679,332	f. ESTIMATED PRICE 5,707,414	g. CONTRACT CEILING 5,679,332	h. ESTIMATED CONTRACT CEILING 5,707,414		i. DATE OF OTB/OTS						
6. ESTIMATED COST AT COMPLETION					7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,394,186						c. SIGNATURE			d. DATE SIGNED 7/21/2013					
b. WORST CASE		5,455,121														
c. MOST LIKELY		5,479,719		5,457,894		(21,825)										
8. PERFORMANCE DATA																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	9,174	6,099	7,848	(3,075)	(1,749)	628,450	597,496	623,581	(30,954)	(26,084)	0	0	0	940,255	1,007,074	(66,819)
012 RL-12 SNF Stabilization and Disposition	4,219	4,219	4,008	0	211	385,692	372,003	375,966	(13,688)	(3,962)	0	0	0	606,548	633,975	(27,427)
013 RL-13 Solid Waste Stabilization & Disposition	6,611	6,317	5,394	(295)	923	772,060	771,400	755,267	(661)	16,133	0	0	0	1,344,498	1,327,253	17,245
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,398	6,755	5,919	(1,642)	837	891,802	882,868	878,840	(8,933)	4,029	0	0	0	1,495,464	1,492,504	2,959
040 RL-40 Nuclear Facility D&D Remainder of Hanford	829	829	675	(0)	154	373,929	373,597	345,278	(333)	28,319	0	0	0	488,747	460,399	28,348
041 RL-41 Nuclear Facility D&D - River Corridor	545	500	215	(46)	285	301,607	300,375	279,334	(1,232)	21,041	0	0	0	467,474	448,630	18,844
042 RL-42 FFTF Closure	162	162	91	0	72	15,472	15,472	13,202	0	2,270	0	0	0	26,602	24,350	2,252
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	29,939	24,882	24,150	(5,057)	732	3,369,012	3,313,211	3,271,466	(55,801)	41,745	0	0	0	5,369,588	5,394,186	(24,599)
f. Management Reserve														85,533		
g. Total	29,939	24,882	24,150	(5,057)	732	3,369,012	3,313,211	3,271,466	(55,801)	41,745	0	0	0	5,455,121		
9. Reconciliation to CBB																
a. Variance Adjustment										(55,801)	41,745					
b. Total Contract Variance														5,455,121	5,394,186	60,934

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) 2013 / 06 / 24					
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE				b. TO (YYYYMMDD) 2013 / 07 / 21					
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X 9/18/2009									
5. PERFORMANCE DATA																
FOC  ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK (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)						
<b>30A - Project Services &amp; Support</b>																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>324,047</b>	<b>324,047</b>	<b>295,756</b>	<b>0</b>	<b>28,291</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>324,047</b>	<b>295,756</b>	<b>28,291</b>
<b>30B - WBS 98 PSD Distribution</b>																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67,718</b>	<b>67,718</b>	<b>69,727</b>	<b>0</b>	<b>(2,008)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>67,718</b>	<b>69,727</b>	<b>(2,008)</b>
<b>30C - WBS 98 R&amp;RP Distribution</b>																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000</b>	<b>5,000</b>	<b>9,417</b>	<b>0</b>	<b>(4,417)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,000</b>	<b>9,417</b>	<b>(4,417)</b>
<b>30W - WBS 98 WFR Distribution</b>																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,128</b>	<b>20,128</b>	<b>20,128</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20,128</b>	<b>20,128</b>	<b>0</b>
<b>34 - Environmental Prog &amp; Strategic Planning</b>																
030.2 - Envr Prog & Strategic Planning	378	378	340	0	38	41,190	41,190	37,785	0	3,406	0	0	0	79,989	76,531	3,458
	<b>378</b>	<b>378</b>	<b>340</b>	<b>0</b>	<b>38</b>	<b>41,190</b>	<b>41,190</b>	<b>37,785</b>	<b>0</b>	<b>3,406</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,989</b>	<b>76,531</b>	<b>3,458</b>
<b>35 - Business Services</b>																
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0
030.9F - Ramp Up/Transition - Fac	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,816</b>	<b>44,816</b>	<b>45,288</b>	<b>0</b>	<b>(473)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44,816</b>	<b>45,288</b>	<b>(473)</b>
<b>37 - Company Level Initiatives</b>																
011.7W - PRC WFR	0	0	0	0	0	1,818	1,818	1,608	0	211	0	0	0	1,818	1,608	211
012.7W - PRC WFR	0	0	0	0	0	1,363	1,363	901	0	462	0	0	0	1,363	901	462
013.7W - PRC WFR	0	0	0	0	0	1,702	1,702	1,417	0	284	0	0	0	1,702	1,417	284
030.7W - PRC WFR	0	0	0	0	0	1,705	1,705	1,058	0	648	0	0	0	1,705	1,058	648
040.7W - PRC WFR	0	0	0	0	0	224	224	180	0	44	0	0	0	224	180	44
041.7W - PRC WFR	0	0	0	0	0	337	337	209	0	128	0	0	0	337	209	128
042.7W - PRC WFR	0	0	0	0	0	33	33	23	0	9	0	0	0	33	23	9
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,182</b>	<b>7,182</b>	<b>5,396</b>	<b>0</b>	<b>1,786</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,182</b>	<b>5,396</b>	<b>1,786</b>
<b>38 - Project Technical Services</b>																
030.3 - EPC - Groundwater	0	0	10	0	(10)	273,050	273,050	292,902	0	(19,852)	0	0	0	273,050	292,985	(19,935)
	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>(10)</b>	<b>273,050</b>	<b>273,050</b>	<b>292,902</b>	<b>0</b>	<b>(19,852)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>273,050</b>	<b>292,985</b>	<b>(19,935)</b>
<b>3B - PFP Closure, BOS &amp; Infrastructure</b>																
011.1 - Plutonium Finishing Plant	9,174	6,099	7,848	(3,075)	(1,749)	543,592	512,638	545,786	(30,954)	(33,148)	0	0	0	855,396	929,279	(73,883)
	<b>9,174</b>	<b>6,099</b>	<b>7,848</b>	<b>(3,075)</b>	<b>(1,749)</b>	<b>543,592</b>	<b>512,638</b>	<b>545,786</b>	<b>(30,954)</b>	<b>(33,148)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>855,396</b>	<b>929,279</b>	<b>(73,883)</b>
<b>3C - W&amp;FMP/D&amp;D Project</b>																
012.1 - 100 K Area Project	2,260	2,260	1,904	(0)	356	139,525	139,525	136,439	0	3,086	0	0	0	252,176	258,618	(6,442)
012.2 - Sludge Treatment Project	1,959	1,959	2,105	0	(146)	192,382	178,694	186,389	(13,688)	(7,695)	0	0	0	300,588	322,220	(21,633)
013.1 - Waste Management	6,611	6,317	5,394	(295)	923	665,437	664,776	648,076	(661)	16,700	0	0	0	1,237,875	1,220,063	17,812
040.1 - PRC D&D	0	0	7	0	(7)	191,578	191,578	187,797	(0)	3,781	0	0	0	225,205	222,051	3,154
040.2 - D&D Fac Waste Site Remediation	0	0	(0)	0	0	67,594	67,594	60,123	0	7,470	0	0	0	89,437	81,967	7,470
041.1 - River Zone	545	500	215	(46)	285	248,735	247,503	235,851	(1,232)	11,651	0	0	0	414,602	405,148	9,454
042.1 - FFTF	162	162	91	0	72	13,835	13,835	11,664	0	2,172	0	0	0	24,966	22,813	2,153
040.3 - PRC Fac & Waste Site Maint	829	829	668	(0)	161	43,267	42,934	38,994	(333)	3,940	0	0	0	102,614	98,017	4,597
	<b>12,367</b>	<b>12,028</b>	<b>10,383</b>	<b>(340)</b>	<b>1,645</b>	<b>1,562,353</b>	<b>1,546,440</b>	<b>1,505,334</b>	<b>(15,913)</b>	<b>41,106</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,647,463</b>	<b>2,630,897</b>	<b>16,567</b>
<b>3D - Soil &amp; Groundwater Remediation</b>																
030.1 - Soil & GW Remediation	8,020	6,377	5,569	(1,642)	808	479,936	471,003	443,949	(8,933)	27,054	0	0	0	1,044,799	1,018,784	26,016
	<b>8,020</b>	<b>6,377</b>	<b>5,569</b>	<b>(1,642)</b>	<b>808</b>	<b>479,936</b>	<b>471,003</b>	<b>443,949</b>	<b>(8,933)</b>	<b>27,054</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,044,799</b>	<b>1,018,784</b>	<b>26,016</b>
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	<b>29,939</b>	<b>24,882</b>	<b>24,150</b>	<b>(5,057)</b>	<b>732</b>	<b>3,369,012</b>	<b>3,313,211</b>	<b>3,271,466</b>	<b>(55,801)</b>	<b>41,745</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,369,588</b>	<b>5,394,186</b>	<b>(24,599)</b>
f. Management Resrv.														85,533		
g. Total	<b>29,939</b>	<b>24,882</b>	<b>24,150</b>	<b>(5,057)</b>	<b>732</b>	<b>3,369,012</b>	<b>3,313,211</b>	<b>3,271,466</b>	<b>(55,800)</b>	<b>41,745</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,455,121</b>		

FORMAT 3, DD FORM 2734/3, BASELINE

July 2013 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS		Form Approved OMB No. 0704-0188	
1. CONTRACTOR CH2M HILL Plateau Remediation Company			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: 2013/06/24 b. TO: 2013/07/21					
5. CONTRACT DATA																
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,139,271		c. CURRENT NEGOTIATED COST (A + B) \$5,451,637		d. ESTIMATED COST AUTH UNPRICED WORK \$2,941		e. CONTRACT BUDGET BASE (C + D) \$5,454,578		f. TOTAL ALLOCATED BUDGET \$5,455,121		g. DIFFERENCE (E - F) (\$542)			
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			l. EST COMPLETION DATE 9/30/2018					
6. PERFORMANCE DATA																
BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)																
SIX MONTH FORECAST																
ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	+1 Aug-13	+2 Sep-13	+3 Oct-13	+4 Nov-13	+5 Dec-13	+6 Jan-13	FY09	FY10	FY11	FY12	OUT YEARS	UNDISTRIB BUDGET	TOTAL BUDGET	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
a. PM BASELINE (BEGIN OF PERIOD)	2,016,757	30,519	40,811	42,873	30,001	33,423	30,487	30,487	653,426	960,017	1,002,105	428,688	2,325,291	0	5,369,527	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-030-13-012R0 - RL-42 400 Area Sanitary Sewer System													60		60	
c. PM BASELINE (END OF PERIOD)	2,046,696	29,939	40,834	42,896	30,001	33,423	30,487	38,027	653,426	960,017	1,002,105	428,688	2,325,351	0	5,369,588	
7. MANAGEMENT RESERVE															85,533	
8. TOTAL															5,455,121	

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 06 / 24		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2013 / 07 / 21		
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO 9/18/2009					
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)												
FOC Group by FOC  ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST						SPECIFIED PERIODS			
			+1 Aug (4)	+2 Sep (5)	+3 Oct (6)	+4 Nov (7)	+5 Dec (8)	+6 Jan (9)	REM FY14 (12)	FY15-18 (13)		
<b>30B - WBS 98 PSD Distribution</b>												
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>31 - Communications &amp; Outreach</b>												
000.1 - Communications & Outreach	7	602	6	6	10	7	7	7	7	56	336	1,037
	<b>7</b>	<b>602</b>	<b>6</b>	<b>6</b>	<b>10</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>56</b>	<b>336</b>	<b>1,037</b>
<b>32 - Safety, Health, Security &amp; Quality</b>												
000.2 - Safety,Health,Security/Quality	47	4,447	57	56	48	48	48	48	48	381	2,017	7,150
	<b>47</b>	<b>4,447</b>	<b>57</b>	<b>56</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>48</b>	<b>381</b>	<b>2,017</b>	<b>7,150</b>
<b>34 - Environmental Prog &amp; Strategic Planning</b>												
000.4 - Environmental Prog & Strategic Planning	17	1,183	19	19	16	16	16	16	16	141	751	2,177
030.2 - Envr Prog & Strategic Planning	15	1,607	15	17	22	22	22	22	22	176	1,431	3,334
	<b>32</b>	<b>2,790</b>	<b>34</b>	<b>36</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>	<b>317</b>	<b>2,182</b>	<b>5,511</b>
<b>35 - Business Services</b>												
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	59	4,473	69	71	71	71	71	71	71	564	3,375	8,836
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0	15
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13
	<b>59</b>	<b>6,114</b>	<b>69</b>	<b>71</b>	<b>71</b>	<b>71</b>	<b>71</b>	<b>71</b>	<b>71</b>	<b>564</b>	<b>3,375</b>	<b>10,477</b>
<b>36 - Prime Contract &amp; Project Integration</b>												
000.7 - Contract and Baseline Management	33	2,220	39	40	35	35	35	35	35	280	1,681	4,400
000.9 - Chief Information Officer	9	709	10	10	10	10	10	10	10	79	476	1,324
	<b>42</b>	<b>2,929</b>	<b>49</b>	<b>50</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>45</b>	<b>359</b>	<b>2,157</b>	<b>5,724</b>
<b>38 - Project Technical Services</b>												
000.F - Eng/Procurement & Construction	13	1,353	19	19	13	13	13	13	13	102	613	2,158
000.T - Proj Tech Svcs	15	1,618	18	18	17	17	17	17	17	134	802	2,658
030.3 - EPC - Groundwater	1	3,635	2	2	0	0	0	0	0	0	0	3,639
	<b>29</b>	<b>6,605</b>	<b>39</b>	<b>39</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>236</b>	<b>1,415</b>	<b>8,455</b>
<b>39 - PS&amp;S G&amp;A Adder Offset</b>												
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0	0
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3B - PFP Closure</b>												
011.1 - Plutonium Finishing Plant	378	31,241	387	386	497	506	510	504	504	4,060	8,879	46,970
	<b>378</b>	<b>31,241</b>	<b>387</b>	<b>386</b>	<b>497</b>	<b>506</b>	<b>510</b>	<b>504</b>	<b>504</b>	<b>4,060</b>	<b>8,879</b>	<b>46,970</b>
<b>3C - W&amp;FMP/D&amp;D Project</b>												
012.1 - 100 K Area Project	94	7,471	103	103	112	112	112	112	112	898	3,240	12,263
012.2 - Sludge Treatment Project	81	6,573	83	83	70	72	89	86	86	863	2,280	10,199
013.1 - Waste Management	270	34,070	282	287	376	378	381	356	356	2,849	18,059	57,038
040.1 - PRC D&D	1	7,531	0	4	4	0	0	0	0	0	1,256	8,795
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	0	487	1,828
040.3 - PRC Fac & Waste Site Maint	31	2,451	38	39	39	41	41	41	41	390	1811	4,891
041.1 - River Zone	11	6,965	16	19	19	30	30	30	30	269	4006	11,384
042.1 - FFTF	5	638	4	5	5	7	7	7	7	62	330	1,065
	<b>493</b>	<b>67,038</b>	<b>526</b>	<b>540</b>	<b>625</b>	<b>640</b>	<b>660</b>	<b>632</b>	<b>632</b>	<b>5,331</b>	<b>31,469</b>	<b>107,463</b>
<b>3D - Soil &amp; Groundwater Remediation</b>												
030.1 - Soil & GW Remediation	233	17,816	242	240	238	284	283	290	290	2,712	14,755	36,860
	<b>233</b>	<b>17,816</b>	<b>242</b>	<b>240</b>	<b>238</b>	<b>284</b>	<b>283</b>	<b>290</b>	<b>290</b>	<b>2,712</b>	<b>14,755</b>	<b>36,860</b>
<b>Grand Totals:</b>	<b>1,320</b>	<b>139,584</b>	<b>1,409</b>	<b>1,424</b>	<b>1,602</b>	<b>1,669</b>	<b>1,692</b>	<b>1,665</b>	<b>1,665</b>	<b>14,016</b>	<b>66,586</b>	<b>229,648</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>  2013/06/23		
<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>  2013/07/21			
		<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:	29,939	24,882	24,150	(5,057)	-16.9%	732	2.9%	0.83	1.03
Cumulative:	3,369,012	3,313,211	3,271,466	(55,801)	-1.7%	41,745	1.3%	0.98	1.01
	<b>BAC</b>	<b>EAC</b>	<b>VAC in \$</b>	<b>VAC in %</b>	<b>CPI to BAC</b>	<b>CPI to EAC</b>			
At Complete:	5,369,588	5,394,186	(24,599)	-0.5%	0.98	0.97			
<b>Explanation of Variance/Description of Problem:</b>									
<p><b>Current Period Schedule Variance:</b> The Current Month unfavorable Schedule Variance (-\$5.1M) is largely due to RL-0011 PFP Closure Project deferral of process vacuum and transfer line removal efforts due to field work teams reassigned to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&amp;D field work deferral due to sequestration, and the associated delay to D&amp;D support services. In general, ongoing HAMTC negotiations continue to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to. Also contributing to the schedule variance were RL-0030 delays in well drilling and aquifer tube installation activities at BC-5 and well drilling activities at K, H, and 200 W Pump &amp; Treat (P&amp;T). The BC-5 delays are due to reconciling issues with the State Historic Preservation Officer (SHPO) over the findings of the Cultural Resource Review (CRR) for the 100-BC well and aquifer tube installations. K/H/200W P&amp;T delays are a result of sequestration funding impacts.</p> <p><b>Current Period Cost Variance:</b> The Current Month favorable Cost Variance (+\$0.7M) is within reporting thresholds. Realized efficiencies in multiple projects necessary to meet project funding requirements were partially offset by RL-0011 unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, the inability of D&amp;D field work teams to work as planned, combined with a limited ability to reassign resources to other work, and D&amp;D Project Support earning in proportion to discrete work, while a constant staff provides the required services.</p> <p><b>Cumulative Schedule Variance:</b> The Cumulative unfavorable Schedule Variance (-\$55.8M) is within reporting thresholds.</p> <p><b>Cumulative Cost Variance:</b> The Cumulative Cost Variance (+\$41.7M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$19.8M) and prior year G&amp;A/DD/PSD distribution variances (+\$21.9M).</p>									
<b>Impact:</b>									
<p><b>Current Period Schedule:</b> For RL-0011, a strategic change to the overall D&amp;D approach was implemented, which will maintain a focus on hazard reduction. For RL-0012, procurements are being prioritized to recover schedule variance and minimize impacts to overall schedule.</p> <p><b>Current Period Cost:</b> No significant impacts by PBS have been identified.</p>									
<p><b>CTD Schedule:</b> For PBS RL-0011, KPP - Given the schedule impacts to date and the remaining time to recover, plus sequestration impacts, the baseline completion date has slipped to October 16, 2014. Mandated sequestration reductions in FY13, funding, and impacts to the assigned number of PFP D&amp;D field work teams hinders the project's ability to complete the KPP glovebox work scope by May 2014. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&amp;D field work push completion of follow-on work, impacting completion of TPA Milestone M-083-00A. The current forecast is showing a 217 working-day delay to the TPA Milestone, primarily driven by added chemical mitigation work scope delaying process vacuum removal in 234-5Z and further delays resulting from FY13 sequestration. The Current PMB Schedule reflects reduced field teams in FY13 (from 12 to 8), as well as the life cycle impacts resulting from reductions required by Government-mandated sequestration. The top ten critical float paths contain activities associated with process vacuum piping and process support equipment removal, 291-Z D&amp;D and stack demolition, 234-5Z final filter removal and grouting of cavities/penetrations, and 291-Z 17" sample vacuum and 232-Z duct removal. As a result of reduced funding, slightly offset by implementation of breakthrough initiatives, the FY2013 Baseline Update reflects an impact of a one-year delay from the PMB3 Baseline Plan that was submitted in November 2011. Due to FY2013 and FY2014 funding constraints and schedule impacts experienced in FY2013, completion of TPA Milestone M-083-44 by 9/30/2015 is not achievable. The FY13 impacts from sequestration are unrecoverable. TPA Milestone M-083-44, Complete Transition of 234-5Z&amp;ZA/243-Z/291-Z &amp; 291-Z-1 Facilities. Due: September 30, 2015 - Forecast: August 28, 2017. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016 - Forecast: June 4, 2018. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&amp;M Plan to Ecology. Due June 30, 2016 - Forecast: June 30, 2016. No other significant impacts have been identified.</p> <p><b>CTD Cost:</b> For PBS RL-0011, FY2013 resources have been reduced, in accordance with DOE-RL notice of the revised annual funding due to sequestration. The EAC includes the life cycle impact of sequestration, the cost of extending level-of-effort services, consistent with those delayed activities in support of completing TPA Milestone M-083-00A, and the cost of extending D&amp;D support services (project support, NDA, solid waste operations) consistent with delayed/deferred discrete D&amp;D work scope (based on Mar-2013 forecast dates). The EAC does not reflect life-cycle sequestration impacts. There was no significant change to the EAC since last month. In RL-0013, RL-0040, RL-0041 and RL-0042, underruns are forecast based on efficiencies.</p>									

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

**Corrective Action:**

**Current Period Schedule:** For PBS RL-11, see CTD Schedule. For RL-0030, Well drilling requirements are being evaluated and prioritized for future drilling campaigns as funds become available. No other corrective actions are required.

**Current Period Cost:** No corrective actions are required.

**CTD Schedule:** PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time.

1. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Schedules are being developed to implement the initiatives. Status: Progress has been made incorporating activities into the Field Execution Schedule (Complete – July 2013). VE initiatives incorporated into PMB Update (ECD: September 2013) 2. Enhanced "time on tools" continues to be pursued for all PFP subprojects as part of the ongoing Collective Bargaining Agreement negotiations (ECD: August 2013) 3. A change in the PFP safety basis and criticality analysis is in process to approximately double the current allowable fissile inventory for loading gloveboxes outside. This could reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage (ECD: September 2013). 4. The cost and schedule impacts of Chemical Mitigation work scope are being determined and Change Proposals for change in conditions are being prepared (ECD: August 2013). 5. A Budget Change Request is being prepared relative to the risk on the reliability of the PRF canyon crane (ECD August, 2013). 6. The 242-Z and Balance of 234-5Z D&D work scope will be re-sequenced with the submittal of the FY2014 baseline update in September 2013.

**CTD Cost:** No corrective actions are required.

**Monthly Summary** (to include technical causes of VARs, Impacts, and Corrective Action(s):

Overall, the project was 16.9% behind schedule and 2.9% under cost in July. Project performance in July was primarily attributed to RL-0011 deferral of process vacuum and transfer line removal efforts due to reassignment of field work teams to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferral due to sequestration, and the associated delay to D&D support services. In general, ongoing HAMTC negotiations continue to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to. Performance also reflected RL-0030 delays in well drilling and aquifer tube installation activities at BC-5 due to cultural review issues and delays in well drilling activities at K, H, and 200 W Pump & Treat due to sequestration. Corrective actions are in place to recover schedule and to address sequestration impacts.

Corrective actions for PFP, RL-0011, include assigning D&D field work teams based on highest-risk work scope, use of value engineering, pursuing enhanced "time on tools" as part of the ongoing Collective Bargaining Agreement negotiations, and changing the PFP safety basis and criticality analysis to approximately double the current allowable fissile inventory for loading gloveboxes outside. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Implementation schedules are being developed for the initiatives and related activities incorporated into the Field Execution Schedule. No other corrective actions are required.

**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 negative -\$24.6 million and -0.5% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- \$15 million.

**Format 1 and 3 Contract Data:**

**Contract Price Adjustments**

CPS - In Process		
	Total Authorized Unpriced Work	\$6,257.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	<b>Grand Total Adjustments</b>	<b>\$6,257.0</b>

**Use of Management Reserve (MR):**

**Management Reserve Utilization**

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

**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 BAC reported this month 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). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

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

<b>Prepared by:</b> Project Control Staff	<b>Date:</b> 8/21/2013	<b>Approved by:</b>	<b>Date:</b>
--	---------------------------	---------------------	--------------

(1) = Trench Face Retrieval & Characterization System; (2) = Engineered Containers Retrieval and Transportation System; (3) PSD  
R&RP = Project Specific Distributables Rewards & Recognition Program; (4) DCAA = Defense Contract Audit Agency; (5) Powered  
Air Purifying Respirator; (6) Maintenance and Storage Facility (MASF)

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

**Corrective Action:**

**Current Period Schedule:** For PBS RL-11, see CTD Schedule. For RL-0030, Well drilling requirements are being evaluated and prioritized for future drilling campaigns as funds become available. No other corrective actions are required.

**Current Period Cost:** No corrective actions are required.

**CTD Schedule:** PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time.

1. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Schedules are being developed to implement the initiatives. Status: Progress has been made incorporating activities into the Field Execution Schedule (Complete – July 2013). VE initiatives incorporated into PMB Update (ECD: September 2013) 2. Enhanced "time on tools" continues to be pursued for all PFP subprojects as part of the ongoing Collective Bargaining Agreement negotiations (ECD: August 2013) 3. A change in the PFP safety basis and criticality analysis is in process to approximately double the current allowable fissile inventory for loading gloveboxes outside. This could reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage (ECD: September 2013). 4. The cost and schedule impacts of Chemical Mitigation work scope are being determined and Change Proposals for change in conditions are being prepared (ECD: August 2013). 5. A Budget Change Request is being prepared relative to the risk on the reliability of the PRF canyon crane (ECD August, 2013). 6. The 242-Z and Balance of 234-5Z D&D work scope will be re-sequenced with the submittal of the FY2014 baseline update in September 2013.

**CTD Cost:** No corrective actions are required.

**Monthly Summary** (to include technical causes of VARs, Impacts, and Corrective Action(s):

Overall, the project was 16.9% behind schedule and 2.9% under cost in July. Project performance in July was primarily attributed to RL-0011 deferral of process vacuum and transfer line removal efforts due to reassignment of field work teams to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferral due to sequestration, and the associated delay to D&D support services. In general, ongoing HAMTC negotiations continue to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to. Performance also reflected RL-0030 delays in well drilling and aquifer tube installation activities at BC-5 due to cultural review issues and delays in well drilling activities at K, H, and 200 W Pump & Treat due to sequestration. Corrective actions are in place to recover schedule and to address sequestration impacts.

Corrective actions for PFP, RL-0011, include assigning D&D field work teams based on highest-risk work scope, use of value engineering, pursuing enhanced "time on tools" as part of the ongoing Collective Bargaining Agreement negotiations, and changing the PFP safety basis and criticality analysis to approximately double the current allowable fissile inventory for loading gloveboxes outside. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Implementation schedules are being developed for the initiatives and related activities incorporated into the Field Execution Schedule. No other corrective actions are required.

**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 negative -\$24.6 million and -0.5% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- \$15 million.

**Format 1 and 3 Contract Data:**

**Contract Price Adjustments**

<b>CPs - In Process</b>		
	<b>Total Authorized Unpriced Work</b>	<b>\$6,257.0</b>
<b>Approved Adjustments to Contract Price (not reflected in B.4-1 Table)</b>		
	<b>Total Negotiated Cost Changes</b>	<b>-</b>
	<b>Grand Total Adjustments</b>	<b>\$6,257.0</b>

**Use of Management Reserve (MR):**

**Management Reserve Utilization**

<b>BCR Number</b>	<b>Title</b>	<b>Fiscal Year</b>	<b>MR &amp; PBS</b>
N/A	N/A	N/A	N/A

**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 BAC reported this month 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). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

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

<b>Prepared by:</b> Project Control Staff	<b>Date:</b> 8/21/2013	<b>Approved by:</b>	<b>Date:</b>
--	---------------------------	---------------------	--------------

(1) = Trench Face Retrieval & Characterization System; (2) = Engineered Containers Retrieval and Transportation System; (3) PSD  
R&RP = Project Specific Distributables Rewards & Recognition Program; (4) DCAA = Defense Contract Audit Agency; (5) Powered  
Air Purifying Respirator; (6) Maintenance and Storage Facility (MASF)

# Appendix B

## Project Services and Support (WBS 000)



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

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

July 2013  
CHPRC-2013-07, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

**D. A. Millikin**  
Director of  
Communications

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

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

## PROGRAM SUMMARY

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

### EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-EPC-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.	9/30/13	70%
13-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities.	12/31/13	60%
13-EMS-ADMIN-OB1-T2	Reduce depletion of environmental resources through material recycling.	Remove the 22 remaining leased ARRA and 20 Baseline leased mobile offices from the site, and vacate 20 Government owned facilities by September 30, 2013.	9/30/13	70%
13-EMS-ADMIN-OB1-T3	Reduce potable water consumption for non-drinking water purposes.	Remove 14 of 40 self-contained restroom and shower mobile units from service.	9/30/13	50%
13-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into 80% of CHPRC onsite/offsite event contracts.	7/31/13	100%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	55%
13-EMS-ADMIN-OB4-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained. This will alleviate repair and operation costs and standardize the printer/copier types. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	9/30/13	84%
13-EMS-ADMIN-OB5-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Track the use of SMART boards during quarter 1 and 2 in FY2013. Calculate reduced GHG emissions realized from the use of SMART boards.	4/30/13	100%
13-EMS-ADMIN-OB6-T1	Reduce or avoid greenhouse gas emissions.	Have at least 10 CHPRC employees bicycle to work on May 17, 2013, Bike to Work Day. Build on the enthusiasm and expand the challenge to the entire month of June.	7/31/13	85%

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	0	2	N/A
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of crosscutting services. There were no Recordable or First Aid cases within SHS&Q during July 2013.
  - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Continued support of site-wide standards committees and site-wide steering committees.
    - Continued progress with the Corrective Action Plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
    - The Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2 has been formally submitted to the RL/Office of River Protection for approval. Implementation efforts are underway.
    - Support side-wide efforts on legacy asbestos issues, taking the lead in development of the Asbestos Exposure Assessment.
    - Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues, including work restriction language.
    - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
    - Continued review/revision to the General Hazard Analysis (GHA) document.
    - Continued support to PFP in setting up IH instrumentation and monitoring systems for cost saving measures.
    - Provided support to PFP for use of the PremAire system to facilitate D&D activities in the Plutonium Reclamation Facility canyon.
    - Developed Computer Based Training for seven Safety and Health courses in efforts to reduce training costs.
  - o Radiological Control accomplishments:
    - Continued to support site-wide Radiological Control committees.
    - Provided support to PFP Closure Project on radiological work planning processes.
    - Provided support to PFP Closure Project towards troubleshooting recent portable instrument issues.

- Issued CHPRC Technical Basis Document that provides radiological engineering calculations applicable to radiological work planning.
- Continued to provide support to PFP Closure Project in the development of test plans, calibrations, procedures, training, and procurement needed to allow the use of lapel CAMs.
- Provided support for the CHPRC Emergency Preparedness drill program.
- o Nuclear Safety deliverables prepared and transmitted to RL in July include:
  - Documented Safety Analysis:
    - Letter, CHPRC-1302771, dated July 9, 2013, *Preliminary Documented Safety Analysis for the Sludge Treatment Project Engineered Container Retrieval and Transfer System for Approval.*
    - Letter, CHPRC-1302808, dated July 11, 2013, *Submittal of the Annual Update of the 200 Area Interim Storage Area Safety Basis and Unreviewed Safety Question Determination Summary.*
    - Letter, CHPRC-1302732, dated July 30, 2013, *Request to Remove the Requirement to Segregate Settler Tank Sludge.*
    - Letter, CHPRC-1300952.1, dated July 30, 2013, *Proposed Extended RL Review Period for the Annual Update to the Plutonium Finishing Plant Safety Basis.*
  - Transportation Safety deliverables prepared and transmitted to RL in July include:
    - Letter, CHPRC-1302838, dated July 11, 2013, *Transmittal of the 2013 Annual Unreviewed Safety Question Summary for CHPRC Transportation Safety.*
- o Performance Assurance and Quality Assurance accomplishments:
  - Completed Apparent Cause Analysis for 100 KW procurement of fire protection components.
  - Issued the Effectiveness Review Plan for the Waste Encapsulation Storage Facility (WESF) Defense Nuclear Facilities Safety Board (DNFSB) Corrective Action Plan
  - Supported the kickoff of the PTS procedure impact analyst initiative
- o Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
  - 240 Condition Reports were screened in July:
    - 1 Significant
    - 3 Adverse
    - 84 Track Until Fixed (TUF)
    - 64 Trend Only (TO)
    - 82 Opportunity for Improvement (OFI)
    - 6 Screened Out (factually inaccurate, duplicative of existing Condition Reports)
  - The final report of the Annual Assessment of the Issues Management Program was issued (SHS&Q-2013-MA-12205). There were no findings identified and several opportunities for improvement.
  - The final report of the Management Assessment of the Implementation of Price-Anderson Amendments Act at CHPRC was issued (SHS&Q-2013-MA-13013).
  - Continuing to provide cause evaluation lead support to the evaluation of cross-cutting chemical management deficiencies.
  - Arranged and resolved logistics for the new DNFSB staff member's indoctrination into CHPRC projects and processes.
  - Coordinated arrangements for the August DNFSB evaluation of the configuration and condition of ventilation systems at WESF, T-Plant, and Tank Farms, including cognizant system engineer and safety system oversight programs and HEPA filter quality assurance and inspection practices.
  - Continued support to two Root Cause Evaluations of NTS-reported issues: NTS-RL-CPRC-SWOC-2013-0001, Noncompliance with TSR Specific Administrative Control, and NTS-RL-

- CHPRC-SNF-2013-0001, Positive USQ – Potential for Hydrogen Gas Release from Containerized Sludge.
- The Issues Management Responsible Manager course was presented to 25 CHPRC personnel in three sessions.
- Completed two cause evaluation reports reviews, with each of the reviews performed this month scoring 100%.
- Completed and issued a change to PRC-PRO-QA-40091, *Integrated Assessment Planning*.
- Completed revisions to PRC-PRO-OP-055 *Startup Readiness*, PRC-GD-OP-11615, *Startup Readiness Guidance*, and related site forms. The revised procedure, guidance document and forms were formally transmitted to DOE-RL for information, as required by DOE O CRD 425.1D (Supp Rev 0).
- Issued a revision to the 10 CFR 835 triennial assessment of Subpart C (includes Subpart E and 402), Standards for Internal and External Exposure, SHS&Q-2013-SURV-10694.
- Continued evaluations of completed management assessments, selected worksite assessment activities, and provided specific mentoring and feedback to assessors and responsible managers.
- The 2014 CHPRC wide Integrated Evaluation Plan call letter was issued. The call letter included “Key Considerations” to be used by the Projects and Programs in developing their assessment schedules. The Key Considerations included items related to safety programs and some identified by the Trend Working Group’s evaluation of Condition Report and event cause codes.
- o Quality Assurance accomplishments:
  - Provided support to Central Engineering in presentation of three classes on the recent major revision to the CHPRC Commercial Grade Dedication (CGD) process.
  - Supported the PTS organization in the selection of potential candidates for the Low Hazard/Non-Complex construction contract. Also supported on-going resolution of technical calibration issues with the new Mission Support Alliance calibration contractor.
  - The CHPRC QA monthly knowledge enhancement briefing for July was “Challenges with CGD on the Sludge Treatment Project.”
  - Completed a Management Assessment covering the key Office of Civilian Radioactive Waste Management (OCRWM) program documents and audit process.
  - Supported DWF&RS in the procurement of a custom “Firmanite” strong-back and epoxy patch material for temporary repair of the Effluent Treatment Facility evaporator heat exchanger.
- 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.  
**Status:** Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.  
**Action:** Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implementing pilot program proposal, which includes posting, assessments, and Be characterization of select buildings, areas, and structures.
  - o **Issue:** Accident & Injury Reduction.  
**Status:** Investigating recent recordable injuries to determine cause and prevention.  
**Action:** Working closely with Projects regarding injury and accident prevention.
  - o **Issue:** PFP Value Engineering Study Strategy Path Forward.  
**Status:** Engaged with PFP project personnel with SHS&Q central group SMEs; developed Risk Evaluation Board (REB) to help expedite PFP strategy innovations to PRC and RL senior management.

**Action:** PFP High Gram Glovebox presentation scheduled for August REB.

## **Environmental Program and Strategic Planning (EP&SP)**

### **Environmental Protection**

- **Compliance Item Status – Asbestos:** An asbestos consultant from the Environmental Institute was at the site for a technical consultation. Activities during the visit included:
  - o Discussions of legacy asbestos containing materials in the field and strategies to assess/address potential hazards.
  - o Discussion of the scope of an exposure assessment for legacy asbestos.
  - o Meeting with the customer to discuss overall asbestos management strategies.
  - o A conference call with a representative of the Agency for Toxic Substances and Disease Registry to discuss experiences at other sites where legacy asbestos materials were present in the environment.
  - o A visit to the Plutonium Finishing Plant to discuss upcoming demolition activities, pre-demolition sampling and documentation.
- **Central Waste Complex Box and WRAP Drum Leak Enforcement**
  - o Finalization of the overall Agreed Order has been referred to Ecology, RL and CHPRC legal counsel. RL and CHPRC provided a draft revision of Ecology's earlier draft to Ecology in July. A tolling agreement was signed extending the deadline to finalize the AO to September 5.
- **Environmental Compliance & Quality Assurance (ECQA)**
  - o **Assessments Completed in July**
    - Environmental Compliance Inspection (ECI) of TSCA/PCB requirements identified one OFI
  - o **Assessments in Process**
    - Management Assessment of Risk & Modeling Integration is in progress and will be completed by August 1, 2013.
    - ECI of Drinking Water is in the planning process and will be completed by August 15, 2013.
    - ECI of Sludge Treatment Project Environmental Calculations is in progress and plans to be completed early in August.
    - QA Surveillance of the Management of Radioactive Waste is scheduled to be completed in August
    - ECI of Regulatory Reporting is in process and scheduled to be completed by August 30, 2013.
  - o **Assessments upcoming this Quarter**
    - ECI of Universal Waste and Container Closure at DWF&RS
    - ECI of Non-Dangerous Waste
    - Site wide walk down follow-up ECI is scheduled for September.
    - The Independent Assessment of RCRA implementation has been rescheduled to be completed the first quarter of FY2014 and will be supported by CH2M Hill Corporate.

### **Business Services**

- **Acquisition Planning**
  - o Working with Projects to determine contract needs for FY2014 and Option Period including contract extensions and new contracts.
  - o Continued to support new Subcontracting and Staffing Strategy including communications development, job description reviews, and solving personnel disposition issues.
  - o Developing new policy for purchasing flame retardant (FR) clothing for CHPRC. Working with Projects, Safety, Finance and HAMTC to concur on recommended path forward. Working with Mission Support Alliance to end lease contract.

- o Working with Projects on statements of work and new contracts for this fiscal year including breathing air system, Integrated Disposal Facility (IDF) care and maintenance, and heat exchanger.
- **Facilities and Property Management (F&PM)**
  - o The FY2013 physical inventory of Government property commenced on March 4, 2013. To date, 97% of the items have been accounted for. Five (5) portable generators continue to be reported as a suspected theft, counting as inventory campaign losses. No other losses identified.
- **Finance**
  - o KPMG is performing the incurred cost audit for CHPRC costs incurred for the fiscal years 2009, 2010 and 2011. CHPRC is responding to requests for data and answering questions related to data submitted. KPMG is planning for completion of the audit by September 30, 2013.
  - o In July, CHPRC awarded a contract to Pacific Northwest Consultants for the Risk Assessment of the Timecard System. This procurement supports CH2M HILL's commitment to monitor and assess time recording and to evaluate the timecard system for weaknesses. The contractor will be responsible for completing a thorough review of the CHPRC electronic time card system to assess the controls that are in place to ensure that time recording is in compliance with established processes and procedures.
- **Procurement**
  - o For the month of July 2013, the Procurement group awarded 26 new contracts with a total value of \$1.3M, and amended 165 existing contracts with a total value of \$809K, for a grand total of \$2.19M. Additionally, awarded 209 new material Purchase Orders valued at \$876K to support ongoing project objectives.
  - o At the end of the first 58 months of the PRC, procurement volume has been significant; \$2.069B in contract activity has been recorded with approximately 48.7%, or \$1.0B, in awards to small businesses. This includes 6,222 contract releases, 15,443 Purchase Orders, and 188,777 P-Card transactions.

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

- **Contract Compliance & Change Management (CC&CM)**
  - o In July, Prime Contracts received and processed three contract modifications (numbers 278, 279, and 281) from RL. Correspondence Review received and determined the distribution for 28 incoming letters/documents from RL and the Prime Contracts Manager reviewed 25 outgoing correspondence packages.
  - o The Estimating & Program Support activities for the month are described below:
    - Plutonium Finishing Plant (PFP) Closure Project:
      - Continued to support the FY2014 PMB updates specific to demolition work scope elements.
      - Continued efforts on the preparation of Change Proposals addressing the impacts of PFP chemical hazards identification and mitigation and the FY2013 sequestration.
    - Sludge Treatment Project (STP):
      - Provided continuing support by reviewing change orders and estimated cost for design changes associated with the 100K Area Annex construction.
      - Estimating incorporated comments from the CHPRC Project Review Board (PRB) Critical Decision (CD) 2/3 Review of the project estimate.
    - Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) Project
      - Finalized CHPRC's Change Proposal in response to prospective Change Order #188, Integrated Disposal Facility Performance Assessment Revision. The Change Proposal was submitted to RL July 25, 2013.
      - Finalized CHPRC's Change Proposal in response to Change Order # 195, Eliminate 400

- Area Sewer Discharges to Energy Northwest. The Change Proposal was submitted to RL July 30, 2013.
- CO #232, Implementation of Consent Agreement/Final Order (CAFO), was received from RL on July 17, 2013. The kick-off meeting for preparation of CHPRC's Change Proposal was held on July 23, 2013. CHPRC's Change Proposal is due to RL September 16, 2013.
  - Soil & Groundwater Remediation (S&GRP) Project:
    - Estimating in conjunction with the S&GW Projected finalized CHPRC's response to RL's request to provide information on the actual costs and subcontracts associated with definitized CO #107, Addition of S-SX Interim Groundwater Extraction System.
    - Prepared a revision to CO#223, 200-UP-1 Operable Unit Continued Operations and Maintenance of the S/SX Interim Extraction System, incorporating work scope for operation and maintenance of the pipelines and transfer building associated with the S-SX pump and treat system that was inadvertently omitted in the original Change Proposal. The revised Change Proposal was submitted to RL July 29, 2013.
    - CO #229, 100-NR-2 OU Apatite Barrier within the Vadose Zone, was received from RL on July 23, 2013. The kick-off meeting for development of CHPRC's Change Proposal was held July 30, 2013. CHPRC's Change Proposal is due to RL October 1, 2013.
    - Finalized CHPRC's Change Proposal in response to prospective Change Order #223, 200-UP-1 OU Continued Operations and Maintenance of the S/SX Interim Extraction System. The Change Proposal was submitted to RL on July 30, 2013.
  - Project Technical Services (PTS):
    - Developed a fair cost estimate for the Waste Encapsulation and Storage Facility (WESF) lower roof repair.
  - o Activities associated with Sage/Timberline estimating software and estimating system administration included updating rate tables to reflect current pricing for CHPRC implementation of the new subcontracting strategy and changes to MSA pricing.
  - **EVMS Compliance and Reporting**
    - o Continued tracking furloughs as required to stay within funding as impacted by sequestration
    - o Continued development of the Annual PMB update with adjustments based on revised priorities from RL.
  - **Strategic Planning and Integration**
    - o **Interface Management**
      - Interface Management supported CHPRC Safety, PFP, and MSA with resolution of the abnormal odor in breathing air cylinders. Corrective actions have been developed and assigned.
      - Interface Management assisted CHPRC Sludge Treatment Project and MSA Warehouse Management with resolution on storage of the STP Annex bridge crane
      - Interface Management worked with Soil & Groundwater and MSA to revise and finalize an update to HNF-41077, Rev. 1, *Use and Occupation of Buildings 6268 and 6269*
      - Processed notification for annual review on HNF-47243, Rev. 0, *Laboratory Support for Beryllium/Asbestos Analysis between CHPRC and ATL*.
      - On July 18, 2013, received returned comments from MSA on submissions to the 2013 Infrastructure and Services Alignment Plan (ISAP) and submitted to MSA. Results as follows:
        - 13 of 14 (92.8%) comments with affirmative response to requested changes
        - Only one other organization submitted a higher percentage of "on-target" comment this year.
        - 6.3% of the 220 tracked comments were by CHPRC, this reflects excellent early

- involvement. MSA is calling this a “Platinum Rating” for CHPRC initial data submittal quality, commenting, communications, engagement, cooperation, timeliness & efficiency
- Continued development on the Interface Management SharePoint Site. Anticipate completion September 30, 2013.
  - On July 9, 2013, attended the kick-off meeting addressing Calibration issues. This meeting will be held on a bi-weekly basis beginning in August and will address issues as they relate to the services provided through Micro Precision.
  - o **Information Management**
    - Supported MSA Cyber Security with coordination of reduction of over 50% in unsupported software vulnerabilities on CHPRC owned computers.
    - Supported planning and implementation of community and company activities (e.g. Picnic planning, Partner’s and Pals, etc.).
    - Supported DWF&RS with consolidation and simplification of electronic record guidelines, reducing by 34 this month.
    - Continued support to users migrating to Windows 7 in support of the site goal for XP retirement.

### **Project Technical Services (PTS)**

- **Central Engineering (CE)**

- o Central Engineering chaired and led the Sludge Treatment Project (STP) Engineered Container Retrieval and Transfer System (ECRTS) Project Review Board (PRB). The PRB Report (CHPRC-020706) was published on July 30, 2013. PRB membership included staff from PTS, SHSQ, S&GRP, Environmental and Strategic Planning, and PC&PI organizations. All pre CD-2/3 submittal items were completed prior to issuance of the report.
- o CE chaired and contributed to the ECRTS Delta Design Review. The Design Review Report (PRC-STP-00793) was published on July 25, 2013. CE staff was imbedded with AECOM engineering in an effort to streamline the review/comment process and to bring the final design products to closure. As part of this review, review of supporting drawings and specifications were also performed. Closure of Review Comment Record (RCR) forms was completed in July.
- o CE completed work site assessment PTS-2013-WSA-11640 on VSS System Aerosol testing. The WSA identified 2 Findings and 4 Opportunities for Improvement.
- o CE is providing support to the Effluent Treatment Facility (ETF) in their plans to repair/replace the ETF process heat exchanger. CE is assisting WESF with originating FMP’s to replace heating equipment that currently requires a steam source with heating equipment that uses an electrical source since steam source is no longer available. Contacts with CH corporate resources and vendors have been made on behalf of the Project.
- o CE delivered the annual Fire Protection Program (FPP) Safety Management Program briefing to the CHPRC Executive Safety Review Board (ESRB). The ESRB provided guidance and support towards efforts to upgrade and improve the FPP.

- **Training and Procedures**

- o Supporting development of the CHPRC Leadership Impact Initiative strategy. Updated presentation materials, completed development of the scenarios, updated the two-day workshop agenda, and held the Dry Run the week of July 15, 2013. The Pilot Session is scheduled for August 22, 2013.
- o Working with the S&GRP managers, trainers, and procedure writers, to implement the “Balanced Approach to Training and Procedures” plan for the 200 West and River Corridor Pump and Treats. Difficulty, Importance, and Frequency task analysis survey requirements were developed and issued to NCO’s and FWS for completion. Participated in a meeting with S&GRP

- management on June 27 to update decision analysis approach, progress, schedule, and resource allocation.
- o Working with PTS CE to finalize the needs analysis for the engineering qualification program update. This includes improvements in the Design Authority, Systems Engineer, Fire Protection Engineer, and Engineering Manager Qualification cards, training documentation, and process.
  - o Working with Work Management group to upgrade Work Planner Job and Task Analyses and Qualification Card (CR-2013-1408).
  - o Completed the entire Fissile Material Handler classroom training for the pipefitters at PFP.
  - **Operations Program**
    - o Assisted with the development and issuance of the 100K Conduct of Operations Improvement Plan.
    - o Added a full time Conduct of Work Mentor for 100K area.
    - o Received RL approval of ERP-CSB-001 Canister Storage Building Interim Storage Area Continuity of Operations Plan, Rev. 0, generated in accordance with DOE O 150.1, Continuity Programs.
    - o Assisted the SGRP Project with their 227.1 compliant apparent cause evaluation and corrective action development in response to the EM-42 Conduct of Operations assessment.
    - o Completed Effectiveness review, results – fully effective, for repetitive issues occurrence report EM-RL—CPRC-GENLAREAS-2012-0004, CR-2012-2494 for Repetitive Issues – Access / Identification of Unprotected / Exposed Electrical Terminals.
    - o Conduct of Work Mentor Supported S&GRP management with EM-42 causal analysis: Provided input specifically as to why S&GRP did not translate lessons learned from Nuclear Safety Performance Evaluation Board to 200W.
    - o Supported S&GRP team by presenting Conduct of Operations review. The presentation focused on the flow-down of requirements through DOE O 422.1, CHPRC's contract with DOE and the company's implementing procedures.
    - o Supporting WESF with procedure improvements with focus on routine surveillance and operating procedures.
    - o Assisting WESF management with improving work flow and reducing work delays.
  - **Project Delivery**
    - o Project Delivery continues to execute the following Davis-Bacon determined shop fabrication and field construction activities:
      - DWF&RS
        - Annex Construction, 100K Water Treatment Facility Evaporative Cooler upgrades, CSB Hand Rail upgrades, WESF Pool Cell Ladder Installation, 2025E Building Exterior Repair, as well as the WESF Lower Roof repairs.
      - S&GRP
        - 100DX Pump and Treat Well Head Tie-In work scope, as well as the 100KW and 100H Pump and Treat Realignment construction activities.

## Communications

- **Internal Communications**
  - o Supported internal communications for subcontracting strategy implementation and position postings.
  - o Launched internal resources, including intranet web site and Frequently Asked Questions, regarding the corporate monitor who joined CHPRC in July.
  - o Supported SHS&Q with communication of the summer safety challenge and VPP trivia games.
  - o Provided photo and video support for a glovebox foaming demonstration at the Environmental

- Restoration Disposal Facility for the PFP Closure Project.
- o Supported CHPRC projects with development of abstracts for the 2014 Waste Management Conference.
  - o Held a luncheon to celebrate safety and performance accomplishments in the past three months and kicked off a rewards and recognition program to recognize 30, 60, and 90-day safety and performance goals. Established a website page for PFP employees to submit questions and concerns.
  - o Produced InSite, the monthly internal news broadcast, including completion of two more fiscal year Key Performance Goals, completion of the Environmental Management System assessment, PFP workers sharing of lessons learned with another DOE site, and upcoming community events.
  - o Produced five issues of the Weekly Update, the employee news bulletin, including manager blogs from Terry Vaughn, SHS&Q Vice President; Bob Popielarczyk, SGRP Vice President; Mel Hatcher, Chief Legal Counsel; Mike Swartz, PFP Deputy Vice President; and John Hendry, HAMTC Lead Safety Representative.
- **Public Relations**
    - o Supported RL with media and inquiries regarding the corporate monitor, subcontracting strategy, Babcock Services, 200 West uranium expansion, an Inspector General audit of trailer use, and collective bargaining negotiations. These stories were featured in the Tri-City Herald.
    - o Issued a press release announcing that CHPRC surpassed the fiscal year target to treat 1.4 billion gallons of contaminated groundwater.
    - o Facilitated a day-long visit from the Japanese Environmental Safety Committee to share waste management and remediation practices.
    - o CHPRC sites were included in an article regarding the recent tour from Secretary of Energy Ernest Moniz.
    - o Developed a fact sheet to accompany updated contamination plume maps that will be provided to Secretary Moniz.
    - o A video of CHPRC's efficiency to increase groundwater treatment flow rates by reconfiguring a strainer at the 200 West Pump-and-Treat System was featured on RL social media sites.
  - **Public Involvement**
    - o Completed two of the three public meetings for the 300 Area Proposed Plan in Richland (July 30, 2013) and Seattle (July 31, 2013), with the last meeting in Hood River scheduled for August 8, 2013. The public comment period has been extended to September 16, 2013.

## 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 (%)
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	13.4%
Safety, Health, Security and Quality	1.1	1.1	0.9	0.0	0.0%	0.2	14.3%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	10.2%
Business Services	1.5	1.5	1.2	0.0	0.0%	0.3	18.2%
Prime Contract and Project Integration	1.5	1.5	1.5	0.0	0.0%	0.0	2.4%
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	0.0	0.1%
<b>Indirect WBS 000 Total</b>	<b>4.9</b>	<b>4.9</b>	<b>4.4</b>	<b>0.0</b>	<b>0.0%</b>	<b>0.5</b>	<b>10.1%</b>

Numbers are rounded to the nearest \$0.1M.

#### Indirect WBS 000

**CM Schedule Performance: (\$0.0M/0.0%)** – Schedule is Level of Effort.

**CM Cost Performance: (+\$0.5M/+10.1%)**

The favorable cost variance is primarily due to reduced labor costs associated with sequestration impacts.

## 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)
Communications	0.8	0.8	0.8	0.0	0.0%	0.1	7.0%	1.0
Safety, Health, Security and Quality	11.5	11.5	10.4	0.0	0.0%	1.1	9.6%	14.3
Environmental Program and Strategic Planning	3.1	3.1	3.2	0.0	0.0%	(0.1)	-3.4%	3.9
Business Services	16.3	16.3	16.0	0.0	0.0%	0.3	0.3%	20.2
Prime Contract and Project Integration	16.4	16.4	15.2	0.0	0.0%	1.1	7.0%	21.3
Project Technical Services	5.5	5.5	5.2	0.0	0.0%	0.4	6.8%	6.9
<b>Indirect WBS 000 Total</b>	<b>53.6</b>	<b>53.6</b>	<b>50.7</b>	<b>0.0</b>	<b>0.0%</b>	<b>2.9</b>	<b>5.4%</b>	<b>67.6</b>

Numbers are rounded to the nearest \$0.1M.

### Indirect WBS 000

**FYTD Schedule Performance: (\$0.0M/0.0%)** – Schedule is Level of Effort.

**FYTD Cost Performance: (+\$2.9M/+5.4%)**

Variance is within reporting thresholds.

### Baseline Change Requests

None currently identified.

## FY2013 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2013					
	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY2013 BCWS	FY2013 Fore cast	FY2013 Variance (O)/U
<b>General &amp; Administrative (G&amp;A)</b>	<b>53.6</b>	<b>50.7</b>	<b>2.9</b>	<b>67.6</b>	<b>63.5</b>	<b>4.1</b>
Communications	0.8	0.8	0.1	1.0	1.0	0.0
Safety, Health, Security and Quality	11.5	10.4	1.1	14.3	12.9	1.3
Env. Program & Strategic Planning	3.1	3.2	(0.1)	3.9	3.9	(0.1)
Prime Contract and Project Integration	16.4	15.2	1.1	21.3	18.9	2.4
Business Services	16.3	16.0	0.3	20.2	19.7	0.5
Project Technical Services	5.5	5.2	0.4	6.9	7.0	(0.1)
		<b>FYTD</b>			<b>FY2013</b>	
<b>G&amp;A Distribution</b>		<b>(50.2)</b>			<b>(62.8)</b>	
<b>G&amp;A Liquidation (Over)/Under</b>		<b>0.4</b>			<b>0.7</b>	

### Liquidation Analysis

- For FY2013, Project Services and Support (PS&S) consists of only General and Administrative (G&A) accounts. For the month of July, a passback charged the projects \$1.2M, leaving an under-liquidation of \$0.4M for the month. The FY2013 year end projected under-liquidation of \$0.7M reflected in the fiscal year spend forecast continues to assume a significant decrease in the G&A base as well as a decrease in the G&A forecast.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement Revision 6, 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.