



**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

**January 2013**  
CHPRC-2013-01, Rev. 0

## CONTENTS

EXECUTIVE SUMMARY.....	2
TARGET ZERO PERFORMANCE.....	4
KEY ACCOMPLISHMENTS .....	6
MAJOR ISSUES.....	6
EARNED VALUE MANAGEMENT .....	7
FUNDING ANALYSIS .....	8
BASELINE CHANGE REQUESTS .....	9
SELF-PERFORMED WORK.....	11
GOVERNMENT FURNISHED SERVICES AND INFORMATION.....	11

### PROJECT BASELINE SUMMARY SECTIONS

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

### APPENDICES

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

## EXECUTIVE SUMMARY

- CHPRC announced the subcontracting strategy for the next five-year option period contract with the U.S. Department of Energy. The approach is expected to save \$7 to 9 million per year that can be used to accomplish additional cleanup while maintaining our commitments to safe work execution and small business subcontracting goals.
- CHPRC completed concrete pourbacks and other interim safe storage preparations for the 105K-East Reactor. Crews completed closure of more than 50 openings and penetrations in the reactor building exterior including doorways, tunnels, stairwells. Crews also cleaned out materials from inside the reactor building, including hazardous and combustible materials that cannot remain in the building during interim storage.
- Employees reached out to the community, raising nearly \$3,000 through the Polar Plunge to support Washington Special Olympics and attending the CHPRC-sponsored Nuclear Night with the Tri-City Americans to support for the players' education foundation.
- Representatives from the Tokyo Electric Power Company (TEPCO) visited the Hanford Site and toured several CHPRC projects, including the 200 West Pump and Treat, 100K Area Remediation Project, and the 100-N Apatite Barrier.



**Workers close openings in the exterior of the K East Reactor building**



**Tokyo Electric Power Company officials visit CHPRC projects**

## Focus on Safety

- The January 2013 President’s Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security and Quality organization. The three main ideas for the meeting were:
  - o Hazard Communication
  - o Effective Communication
  - o Employee Involvement

The meeting began with a tour around the world of the Globally Harmonized System (GHS). The GHS will replace the OSHA Hazard Communication program in 2016 and CHPRC, along with other Hanford contractors, is already working toward the transition. Like Hazard Communication, the sphere of GHS will include chemical data sheets, labeling, inventorying, training and a written program. The next presentation offered a dialogue on Five Crucial Conversations of a Safety Culture. The banter challenged the audience to inject safety accountability by speaking up when confronted with five “Silent Dangers”:

- o “Get ‘er Done” – rushing through work and taking shortcuts
- o “This is Overboard” – bypassing precautions considered excessive
- o “I Think I Can” – working beyond skill levels
- o “Are You a Team Player?” – accepted threats that adversely influence people
- o “Just This Once” – unapproved exceptions to the rule



These unhealthy attitudes promote unsafe practices that can be thwarted by a value system where coworkers aren’t afraid to speak up and expect others to do the same. Messages on employee involvement in Voluntary Protection Program (VPP) and the Environmental Management System highlighted how worker participation is integral to program success. Communications on Stretch and Flex, Good News Stories, and the CHPRC injury and illness rounded out the remainder of the meeting.

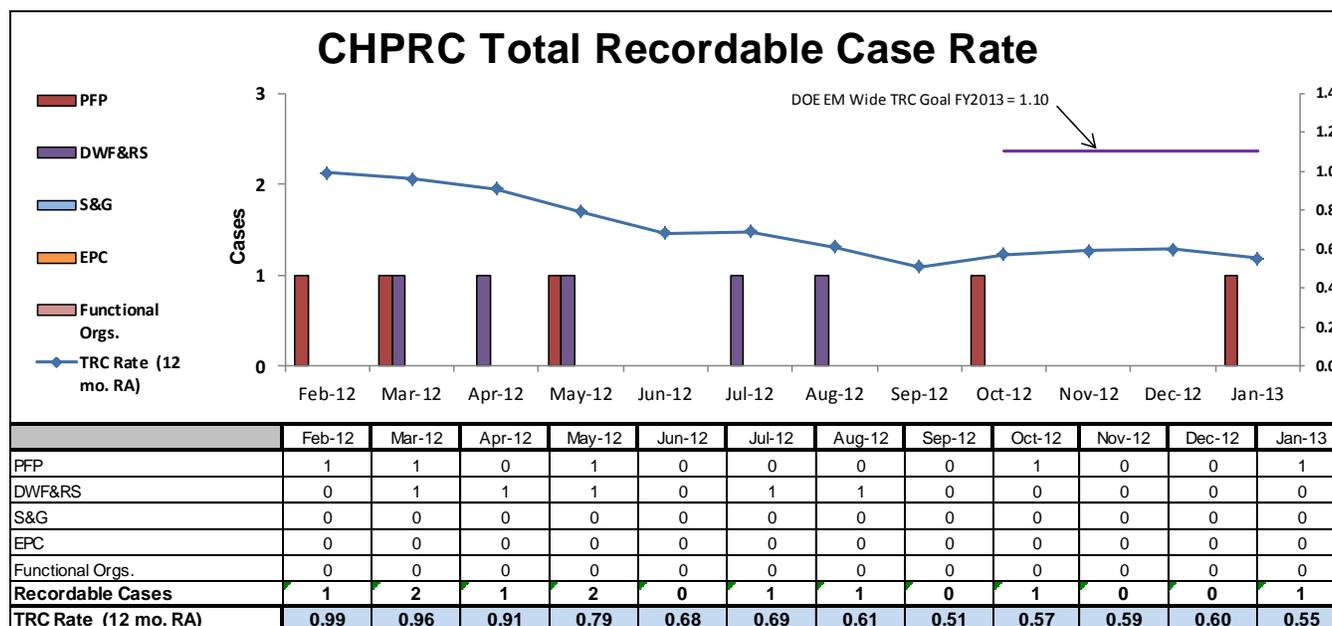
- Five “*Thinking Target Zero*” bulletins were published in January to convey important environmental and occupational safety and health messages:
  - o Recycling and Disposing of Aerosol Cans
  - o Slips, Trips and Falls
  - o Employee Involvement
  - o Accidents
  - o Implementation of the Site Wide Electrical Procedure DOE-0359
- The January *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
  - o Focus on Safety After a Long Holiday
  - o VPP Weekly Spotlights on Health and Safety Surveys and Effective Worksite Analysis.
  - o Confined Space Entry Permit Form Changes
  - o Winter Safety Tips on Keeping Walkways Dry and Safely Storing Ice/Snow Removal Equipment and Supplies
  - o National Radon Action Month
  - o New Personal Protection Standard



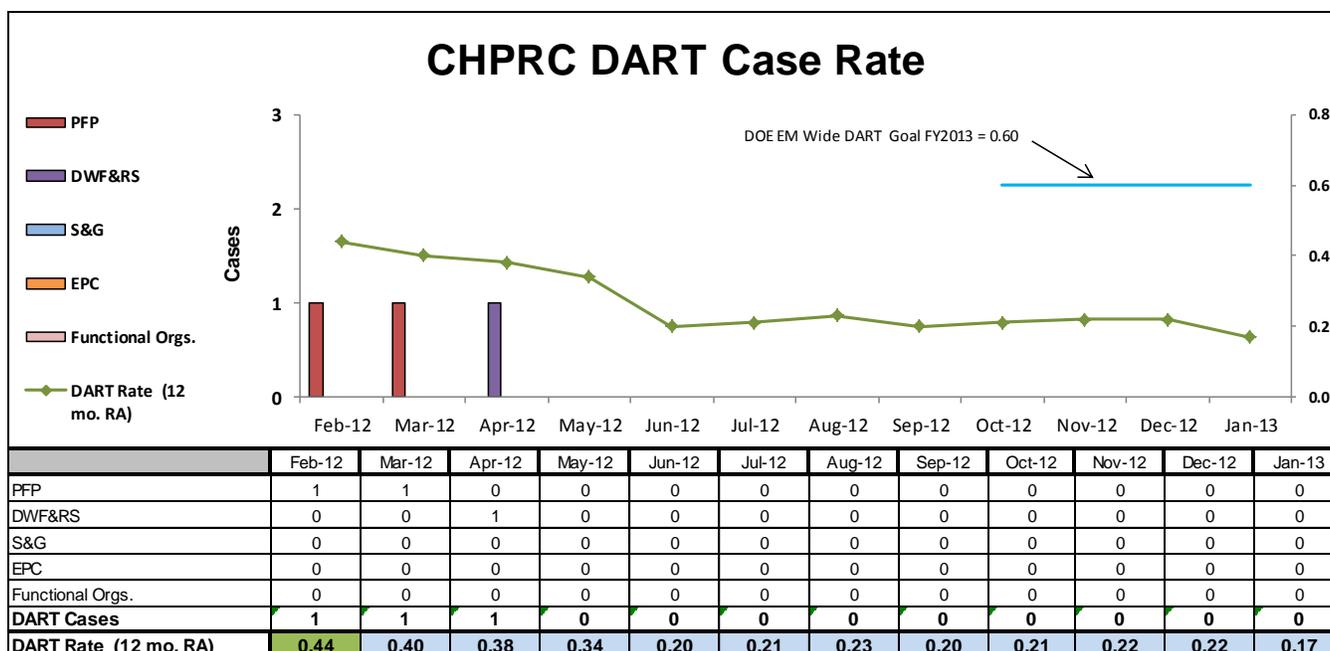
- o Junior Achievement Support
- o Property and Facility Security
- o Changes to the Site Wide Excavation Procedure
- o Improvements to the Chemical Management Program
- o Carbon Monoxide Detection
- o Introduction to the VPP Employee Pocket Guide

## TARGET ZERO PERFORMANCE January 2013

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



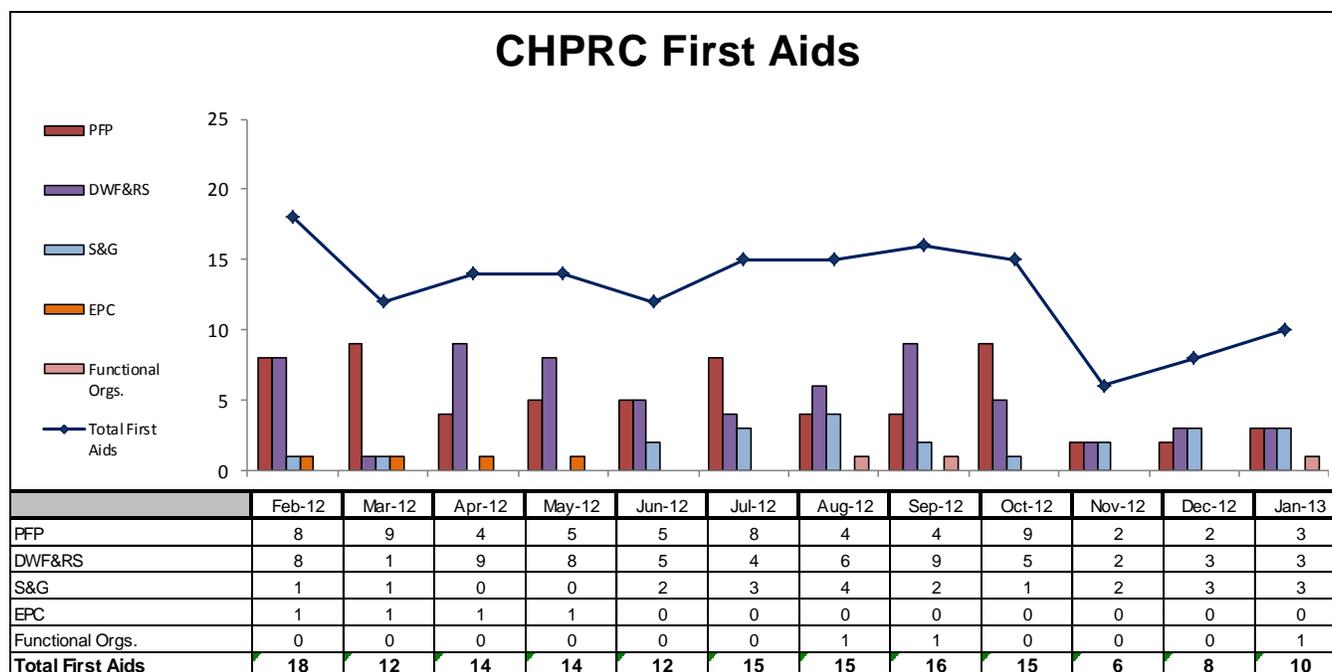
**Total Recordable Injury Case (TRC) Rate** – The 12 month rolling average TRC rate of 0.55 is based upon a total of ten recordable injuries. There was one Recordable case in December 2012. Hours since last Recordable Case = 176,671.



**Days Away, Restricted or Transferred (DART) Workdays Case Rate** – The 12 month rolling average DART rate of 0.17 is based upon a total of three cases (1 Restricted, 2 Days Away Cases). There were no DART cases for December 2012. There are no cases currently under review. Hours since last DART Case = 2,746,922.

**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 ten first-aid cases in January 2013. The biggest contributors were three sprains / strains / pains from awkward positions or overexertion, and three various abrasions and contusions from contact with objects, two minor cuts to hands and one miscellaneous injury.

## KEY ACCOMPLISHMENTS

### Projects

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

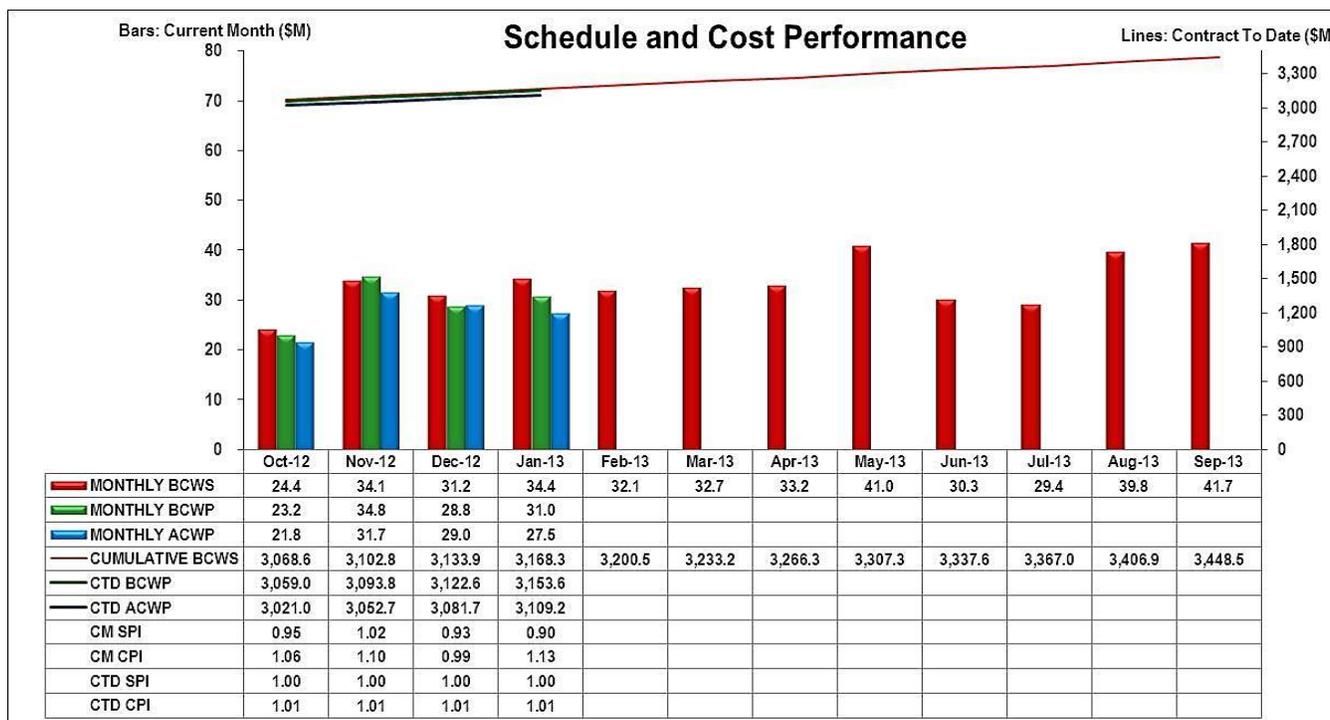
### Project Services and Support

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

## MAJOR ISSUES

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

## EARNED VALUE MANAGEMENT



	\$M					\$M					\$M			
	Current Period			Contract to Date		Contract to Date			Contract Period					
	Budgeted Cost	Actual Cost	Variance	Budgeted Cost	Actual Cost	Variance	BAC	EAC	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	9.5	8.8	8.8	(0.6)	0.0	569.2	560.6	573.8	(8.6)	(13.2)	940.3	1,003.3	(63.0)	
RL-0012 - SNF Stabilization & Disposition	6.0	4.4	4.6	(1.6)	(0.1)	354.1	346.9	346.5	(7.2)	0.4	605.9	632.0	(26.1)	
RL-0013 - Solid Waste Stab & Disposition	7.3	7.4	6.6	0.1	0.9	729.5	729.3	718.6	(0.3)	10.7	1,344.1	1,327.0	17.1	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	9.3	8.5	6.5	(0.8)	2.0	837.1	837.2	839.4	0.1	(2.2)	1,492.0	1,489.0	3.0	
RL-0040 - Nuc Fac D&D - Remainder	0.9	1.0	0.5	0.0	0.5	368.1	368.1	340.9	(0.0)	27.2	488.7	460.6	28.1	
RL-0041 - Nuc Fac D&D - RC Closure Project	1.2	0.6	0.5	(0.6)	0.2	295.8	297.1	277.4	1.3	19.7	467.5	450.6	16.9	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.0	14.5	14.5	12.6	0.0	1.9	26.5	24.4	2.1	
(Numbers are rounded to the nearest \$0.1M)	<b>Total</b>	<b>34.4</b>	<b>31.0</b>	<b>27.5</b>	<b>(3.4)</b>	<b>3.5</b>	<b>3,168.3</b>	<b>3,153.6</b>	<b>3,109.2</b>	<b>(14.7)</b>	<b>44.4</b>	<b>5,365.0</b>	<b>5,386.9</b>	<b>(21.9)</b>

### Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of (\$21.9M) with \$86.1M of Management Reserve for a total positive variance of \$64.2M.

Overall, the project was ~10% behind schedule and ~11.2% under cost in January. For FY2013, the project is ~5.1% behind schedule and ~6.6% under cost. Schedule performance in January was primarily due to:

- RL-0011 – PRF work efforts impacted by the failure of the PRF canyon crane and by process vacuum line removal efforts impacted by a management stop work associated with chemical lines.

The process vacuum intrusive work activities can be performed once sufficient characterization and analyses are completed.

- RL-0012 – Construction contractor Quality Assurance (QA) Program concerns that led to a QA stand down and stoppage of quality affecting work in early December. Following development and submittal of a corrective Action Plan (CAP) from the construction contractor and CHPRC approval of that CAP, work has restarted in January.
- RL-0030 – Early completion of the NR-2 barrier work that was planned in FY2013, but completed in FY2011 and FY2012. Other activities contributing to the variance are well drilling delays in H and K areas pending decisions on BC-5 wells and chemical procurements for the 200W P&T that were level loaded in the baseline but will occur later in the Fiscal Year.
- RL-0041 – Completion of planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to rephase to 2015.

Cost performance in January was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements and an accrual reversal for Asbestos disposal (FY2012 ARRA scope).

## 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	132.6	131.4	1.2
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	69.5	69.1	0.4
RL-0013	Waste and Fuels Management Project	77.6	78.9	(1.3)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	98.7	96.8	1.9
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.4	11.1	0.3
RL-0041	Nuclear Facility D&D, River Corridor	12.6	8.6	4.0
RL-0042	Fast Flux Test Facility Closure	2.5	2.3	0.2
<b>Total Base:</b>		<b>404.8</b>	<b>398.1</b>	<b>6.7</b>

#### Funds/Variance Analysis:

FY2013 projected funding did not change in the month of January and remains at \$404.8M.

## BASELINE CHANGE REQUESTS

In January 2013, CHPRC approved and implemented two (2) BCRs. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
<b>Implemented into the Earned Value Management System for January 2012</b>		
AWA-030-13-004R0	Special Authorization for Work Related to BC-5	This Advanced Work Authorization (AWA) was processed so that work could begin in January to complete the scope required to meet the following proposed draft TPA Milestone dates contained within TPA Change Package M-15-12-03 based on the Agreement in Principle signed by the Tri Parties on November 26, 2012.
BCR-030-13-006R0	Alignment of Geophysical Logging per Contract Mod 249	As a result of the FY2012 funding constraints, the Geophysical Logging BCWS was removed from the PMB in BCR-PRC-11-039R0 – <i>FY2012 Annual PMB Update</i> and contract price subsequently removed via Mod 220. Geophysical Logging costs were incurred in FY2012 as a result of well drilling activities. DOE issued Contract Change Mod 249 dated November 30, 2012 that provided contract price for the FY2012 actual cost of Geophysical Logging of \$640.5K.

Overall, the contract period Performance Measurement Baseline budget increased \$952K in January 2013.

### Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
AWA-030-13-004R0	<i>Special Authorization for Work Related to BC-5</i>	2013	-\$312K
<b>\$312K of Management Reserve was utilized in January 2013.</b>			

### Fee Activity

Overall, the contract period Fee budget did not change in January 2013.

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 Estimated Contract Price increased by \$641K in January 2013. The PMB values of change requests processed in January 2013 are summarized by fiscal year in the tables below (dollars in thousands):

### January 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
<b>December 2012 Estimate</b>									
PMB	653,426	960,017	1,002,105	428,688	403,352	3,447,588	1,916,480	5,364,068	5,364,068
MR	0	0	0	0	4,027	4,027	82,366	86,392	86,392
Fee	39,712	48,772	32,322	17,023	12,001	149,830	86,698	236,528	236,528
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,034,427</b>	<b>445,711</b>	<b>419,379</b>	<b>3,601,444</b>	<b>2,085,544</b>	<b>5,686,988</b>	<b>5,686,988</b>
<b>January 2013 Change</b>									
<b>PMB</b>									
<b>Change to PMB</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>952</b>	<b>952</b>	<b>0</b>	<b>952</b>	<b>952</b>
<b>MR</b>									
<b>Change to MR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-312</b>	<b>-312</b>	<b>0</b>	<b>-312</b>	<b>-312</b>
<b>Fee</b>									
<b>Change to Fee</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Change</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>641</b>	<b>641</b>	<b>0</b>	<b>641</b>	<b>641</b>
<b>January 2013 Estimate</b>									
PMB	653,426	960,017	1,002,105	428,688	404,304	3,448,540	1,916,480	5,365,020	5,365,020
MR	0	0	0	0	3,715	3,715	82,366	86,081	86,081
Fee	39,712	48,772	32,322	17,023	12,001	149,830	86,698	236,528	236,528
<b>Total</b>	<b>693,138</b>	<b>1,008,790</b>	<b>1,034,427</b>	<b>445,711</b>	<b>420,019</b>	<b>3,602,085</b>	<b>2,085,544</b>	<b>5,687,628</b>	<b>5,687,628</b>

### Changes to/Utilization of Management Reserve in January 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
<b>December 2012 MR Totals</b>								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,017	1,017	14,498	15,515
RL-0013	0	0	0	0	400	400	10,238	10,638
RL-0030	0	0	0	0	980	980	14,660	15,640
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>4,026</b>	<b>4,027</b>	<b>82,366</b>	<b>86,392</b>
<b>January 2013 MR Changes/Utilization</b>								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	-312	-312	0	-312
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-312</b>	<b>-312</b>	<b>0</b>	<b>-312</b>
<b>January 2013 MR Totals</b>								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,017	1,017	14,498	15,515
RL-0013	0	0	0	0	400	400	10,238	10,638
RL-0030	0	0	0	0	668	668	14,660	15,328
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>3,715</b>	<b>3,715</b>	<b>82,366</b>	<b>86,081</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 -1/31/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,025,897,655
				Goal	Bal remaining to award = \$498,585,540
	\$	%	%	Goal award \$	Bal to goal \$
SB	\$989,078,888	48.82%	49.30%	\$1,244,570,215	\$255,491,327
SDB	\$178,321,229	8.80%	8.20%	\$207,007,622	\$28,686,393
SWOB	\$197,267,088	9.74%	7.50%	\$189,336,240	(\$7,930,848)
HUB	\$45,758,975	2.26%	2.20%	\$55,538,630	\$9,779,655
VOSB	\$115,301,374	5.69%	3.50%	\$88,356,912	(\$26,944,462)
SDVO	\$55,957,985	2.76%	1.30%	\$32,818,282	(\$23,139,704)
NAB	\$29,703,953	1.47%	N/A	* 10-year subcontracting projection	
Large	\$553,498,745	27.32%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVNT	\$2,013,847	0.10%	N/A	≥17% of Total Contract Price performed by SB	
GOVNT CONT	\$477,781,721	23.58%	N/A	Total Contract Price:	\$5,678,760,928
EDUC	\$88,879	0.00%	N/A	17% requirement:	\$965,389,358
NONPROFIT	\$3,196,403	0.16%	N/A	SB Awarded:	\$989,078,888
FOREIGN	\$235,796	0.01%	N/A	Balance to Requirement:	(\$23,689,530)
<b>Total</b>	<b>\$2,025,897,655</b>	<b>100.00%</b>	<b>N/A</b>		

### Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.02B in goods and services with over 49% going to small businesses. Nearly all subcontracting goals have been exceeded.
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.W. Long**  
Vice President and  
Project Manager for  
PFP Closure Project

January 2013  
CHPRC-2013-01, 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	-	178 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	17,272 feet
Process Vacuum Piping Dispositioned	7 feet	2,497 feet
Process Transfer Line Dispositioned	160	935 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>	37 m <sup>3</sup>
TRU/TRU-M Shipped	50 m <sup>3</sup>	1,156 m <sup>3</sup>
LLW/MLLW Shipped	21 m <sup>3</sup>	3,922 m <sup>3</sup>

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was below planned schedule performance, with cost performance at plan for the month. Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. However, work slowed due to a contamination event in Room 235A-3. The total gloveboxes removed to date remains at 77 percent complete. Two of the RMA/RMC teams focused on Room 235A-3 contamination recovery actions, and supplied air entries were made to remove waste, decontaminate surfaces, and fix the contamination.
- Due to chemical mitigation efforts, work associated with disposition of process lines was minimal. However, the project dispositioned 160 feet of process transfer line.
- Activities were initiated for draining the first chemical feed line.
- A canyon entry was completed and the replacement sprocket and belt were successfully installed. After successful testing of the hoist operation, a canyon entry to disposition the waste and remove the safety railings and clamps was completed. The crane was returned to service.
- During the annual PM on the crane, the lower limit switch for the hoist did not open. Preparations for canyon entries to repair or replace the failed hoist limit switch were completed. A canyon entry was completed to install the safety railing and beam clamps. During the entry, the access to the failed limit switch was verified and video taken.
- A canyon entry was completed on Wednesday, January 23rd to remove and repair the limit switch. Based on the poor condition, the decision was made to replace the limit switch. The failed limit switch was inspected to verify the information obtained from the crane manufacturer and a replacement was ordered.
- Ramp-up of the D&D 242-Z project continued, with a scale model of the facility being completed and fabrication started for the new bottle storage shelter outside of 242-Z.

## 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	3/28/13	0%
		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	6/27/13	0%
		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	1	5	<ul style="list-style-type: none"> <li>1/7/2013 – Employee suffered injury to left hand (contusion/bruise), after the hand was caught in a closing door (22981)</li> </ul>
First Aid Cases	3	63	<ul style="list-style-type: none"> <li>1/3/2013 – Employee experienced laceration on left finger (22983)</li> <li>1/10/2013 – Employee experienced pain in right shoulder (22987)</li> <li>1/16/2013 – Employee experienced possible static electricity shock to both hands (22992)</li> </ul>
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
  - Completed pillow blocks and bearing replacement of Exhaust Fan 4 and initiated testing
- Continued work on the reinforcement of the floor of 2712-Z Stack Monitoring Enclosure
- Completed troubleshooting and repairs to stand-by steam driven fan ET-9

### 11.05 Disposition PFP Facility

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

- The teams for Room 235A-2 and Room 235A-3 were consolidated to support actions in Room 235A-3 to recover from a January 2, 2013 contamination event. A supplied air (SCBA) entry was made into Room 232 to characterize and decontaminate that room. Six supplied air entries (SCBA) were made into Room 235A-3 in this performance period to remove waste, decontaminate surfaces, and fix contamination.
- In Room 228B, the internal components and initial wipe downs were completed for glovebox HC-16CC and conveyor HC-1F. The removal of external lead shielding and other external mechanical interferences was also completed to facilitate HC-16CC / HC-1F removal.

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

- Room 159 Hood Removal
  - Installed containment to support E4 separation
  - Low Level Waste determination was made and hoods will remain in place for demolition.
- Room 166 Glovebox/Hood Removal
  - Completed removal of concentrated nitric acid piping
  - Completed isolation of Chemical Addition Tank (CAT) and prepared tank for removal

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

- A total of 2497 feet of 16 inch Process Vacuum lines has been cut. Of this, 2,497 feet has been size reduced and dispositioned.
- Dispositioned 160 feet of transfer lines, for a total of 935 feet dispositioned
- A total of 17,272 feet of asbestos has been removed to date

#### Chemical Mitigation

- Industrial Hygiene released controls associated with chemicals identified for process vacuum lines, transfer lines, and process feed line
- Materials and Industrial Hygiene monitoring equipment was received
- Commenced draining of first chemical feed line

#### Plutonium Reclamation Facility (PRF)

- The replacement sprocket and belt were installed on the crane
- Failed limit switch was removed
- Procurement of parts for relocation of sprinkler in room 13 was initiated
- Discussed the PRF project with auditors from the Office of the Inspector General
- Conducted dress/undress training for breathing air work
- Sealed in equipment for resumption of equipment removal in the first floor east gallery glovebox

#### 242-Z Americium Recovery Facility

- Preliminary work started, with repair of the Differential Pressure gauge

- Plastic Shop is fabricating the new shelter for bottle storage outside of 242-Z
- Informal meetings have taken place with potential core team to discuss path forward
- Developing Emergency Preparedness scenarios
- Investigating new PPE availability
- A scale model of 242-Z was built for pre-evolution briefs

## 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. Certain chemical lines were originally thought to have been drained based on documentation from the previous contractor. 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** – All accessible chemical lines will be 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. The initial work package has been released and set up activities for the first draining effort have commenced.

**Issue** – During cleanup of the maintenance cell on November 13, the canyon crane hoist stopped raising and lowering. The bridge could move south and north, the trolley could move east and west, and the hook could rotate.

**Corrective Action** – Several canyon entries were completed to replace the sprocket and belt. The crane was returned to service. During the annual PM on the crane, the lower limit switch for the hoist did not open. Preparations were completed to resume canyon entries. Canyon entries were completed to obtain location of the limit switch and remove the switch. The limit switch was inspected to verify the information obtained from the crane manufacturer on the switch settings. A replacement limit switch was ordered.

### 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-011/WBS 011</b>				
PFP-003: More Extensive Cleanout/Decon Required	Develop and implement a detailed process facility characterization plan into the field execution schedule. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. The first characterization activity under way is 243-ZA.  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.			Canyon entries were made and it was determined that the cause of the failed crane was a belt, and electrical components. Efforts to identify a path forward, and successfully repair the crane are statused-90 percent complete. All Pencil tank size reduction activities are suspended until repairs are complete.
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.			Repairs of the EF-3 are 100% complete. Teams continued in the month of January to work on scope to further mitigate potential impacts in the future. JCO was also submitted to DOE, and discussions are still pending.
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.			Planning is continuing to further evaluate the disposition path for the section of piping that was discovered to have higher than expected material holdup.
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 constricted 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 until a path forward is identified are still in order.
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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-011/WBS 011</b>				
PRC-024 - Bargaining Unit Strike or Work Stoppage	To continue to perform work at the assumed rate PFP has implemented a 5x8's work schedule. Also the VP of the project posted 9 management positions to fill the gap caused by the upgraded employees' to return back to hands on tools.			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.			Continue to implement Breakthrough Initiative #1, Tool Time actions.

## 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	9.5	8.8	8.8	(0.6)	-6.8%	0.0	0.3%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Variance: (-\$0.6M/-6.8%)**

The unfavorable schedule variance is primarily the result of delayed PRF work efforts due to the failure of the PRF canyon crane and by process vacuum line removal efforts impacted by a management stop work associated with chemical lines. The process vacuum intrusive work activities cannot be performed until sufficient characterization and analyses are completed.

**CM Cost Variance: (\$0.0M/0.3%)**

The cost variance is within reporting thresholds.

## 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	569.2	560.6	573.8	(8.6)	-1.5%	(13.2)	-2.4%	940.3	1,003.3	(63.0)

Numbers are rounded to the nearest \$0.1M

### CTD Schedule Variance (-\$8.6M/-1.5%)

The schedule variance is within reporting thresholds.

### CTD Cost Variance (-\$13.2M/-2.4%)

The cost variance is within reporting thresholds.

### Variance at Completion (-\$63.0M/-6.7%)

The variance at completion is primarily a result of extending level-of-effort services, consistent with delayed activities in support of completing TPA Milestone M-083-00A. An unrecoverable cumulative cost variance also contributes to the VAC.

### Estimate at Completion (EAC)

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

The EAC changes from December to January 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	132.6	131.4	1.2

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 analysis can be provided upon request.

### 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)

**January 2013**  
**CHPRC-2013-01, Rev. 0**  
**Contract DE-AC06-08RL14788**  
**Deliverable C.3.1.3.1 - 1**

## PROJECT SUMMARY

The Engineered Container Retrieval and Transport System (ECRTS) Team continued working on updating the Process System Critical Decision (CD)-2/3 design package. The effort focused on the incorporation of the disposition of Type B comments resulting from the Formal Design Review of the Final Design Report conducted in August 2012, incorporation of the transition of the I&C design from a hardwired to a multiplexer system, and the addition of the Transport Auxiliary Ventilation System.

A formal design review of the design deltas from the Final Design Report to the CD-2/3 Report is scheduled to commence the second week in February.

The Annex construction contractor submitted to CHPRC the corrective action plan (CAP) for their quality stand-down including a phased schedule for the restart of work. CHPRC approved the CAP and agreed to authorize the construction contractor a phased restart of work upon presentation and verification (both by the construction contractor and by CHPRC) of documentation confirming that all required actions have been completed. The CAP provided for a phased work restart sequence as follows: backfill, reinforcing steel installation, receipt inspection, pressure and leak testing, and concrete placement. The drain pipe leak test corrective action package (the final corrective action package remaining from the quality stand-down) was in process as of the end of the month.

The construction contractor submitted to CHPRC documentation to substantiate completion of corrective actions to support the restart of concrete placement work. The package was under review by CHPRC at the end of the month. A hold on structural steel, based on reviews of the design, is still in place and is unrelated to the quality stand-down.

Work continued to remove obsolete equipment within 105KW to make room for installation of the ECRTS process sludge transfer hoses. The work is being performed by EPC craft personnel and managed by Annex construction supervision.

Preparation for the ECRTS Integrated Performance Optimization Demonstration (IPOD) continued at the Maintenance and Storage Facility (MASF) with project personnel continuing to update wiring and control logic and performing assessment pre-checks in panel 201. Wiring was completed in JB-402 and Panel 402. JB-402 was installed onto the Sludge Transfer Storage Cask (STSC) and Panel 402 was installed beneath the mezzanine.

Personnel began developing transfer and decant line pig injection special tooling along with receiving components for cask and STSC connection special tooling. Staff also completed STSC Riverbend connector handling bail development and hose storage location hangers.

The IPOD is currently scheduled to commence in early April.

A key milestone was reached early in the month. Approval was received from DOE to reclassify the Cold Vacuum Drying Facility (CVDF) as a less-than-Hazard Category 3 facility, from the existing Hazard category 2. This allows CHPRC to proceed to discontinue the Safety Basis, deactivate the processing systems, and transfer the facility to maintenance. CVDF, since it began operations, has had its own Emergency Planning Hazards Assessment (EPHA), and has been a specific facility in the Emergency Preparedness (EP) program. With the transition to a maintenance mission, the facility (to be called 142K instead of CVDF) will transition to the base EP program. The letter requesting retirement of the EPHA has been approved and sent to DOE.

Progress continued on the Office of Civilian Radioactive Waste Management (OCRWM) data packages. Three large packages are dependent upon closure of a deficiency report (DR), which was generated and approved toward the end of the month. One additional multi-canister overpack (MCO)-specific data package was signed off by the Canister Storage Building (CSB) management, assembly completed at 100K, and is now into the final review. Four more MCO-specific packages remain at CSB for completion.

The knockout pot (KOP) closeout report is in process. The report highlights the successful completion of the KOP Disposition Subproject on time and within budget by the graded application of DOE O 413.3B with integration of nuclear safety and full scale testing into a rigorous design process.

Sludge level measurements in support of sludge end point criteria as specified in DOE-RL-2010-107 and HNF-20632 were initiated. During performance of the work, a suspect fuel item was identified and all work was stopped. Following an approved process, the suspect item was confirmed to be Found Fuel, placed in a canister, and placed in storage on the basin floor. Further evaluation resulted in identification of two additional suspect items, which were also determined to be Found Fuel. Total combined weight of the three items is approximately two pounds.

Based on a CHPRC critique it was determined additional visual inspections would be conducted as part of the sludge level measurements. The work package is being modified to include these provisions for validation of the Found Fuel Free. Further inspections may be required based on a statistical evaluation currently in process.

Transfer Cask Overpack (TCA-1) is one of two cask assemblies that were utilized during Fuel Transfer System (FTS) operations to transfer fuel from the 105KW Basin to the 105KE basin. TCA-1 is currently located and has been stored just outside the 105KW since completion of FTS activities in 2006. Over time, due to water evaporation out of the cask through filtered vents and internal contamination, radiation readings have risen to High Radiation Area (HRA) levels. Work for disposition of the cask to date has included work planning and the construction of tools, glovebag, and a mock-up of the TCA-1 at MASF. The current schedule for mock-up testing, validation of work methodology, and dispositioning of the cask assembly is undergoing re-work to account for on-going worker resource issues.

## 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).	9/30/13	32%
<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	25%

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	13	1/07/13 - Employee was walking in an area that had not been cleared of snow when employee slipped in snow. Employee did not fall down, but experienced pain. Body part affected: Low back (22982)
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

Accomplishments during the effort to align the final design with the Preliminary Documented Safety Analysis (PDSA) document include the issuance of a revision to the Control Decision Document in support of the PDSA, completion and approval of the Failure Modes and Effects Analysis (FMEA) – which ties into the PDSA content, preparation of significant PDSA technical content (specifically Chapter 4 Performance Criteria), update of drafts of ECRTS Subproject supporting documentation such as the Project Execution Plan, Acquisition Plan and Risk Management Plan, update and issuance of the Piping and Instrumentation Diagrams (P&ID), resolution of RL in-process comments on the hazards analyses and control decision documents, and issuance of P&ID delta document (assessment of all changes to the P&ID since August) which supports the Hazard and Operability Study (HAZOP) update.

The last of the twelve post-use OCRWM loop calibrations were completed. This was a significant amount of required work by Maintenance, Operations, and Engineering, and included completing Bay 5 work and then bringing Bay 4 into a condition where the calibrations could be performed there for the first time since 2006. The calibrations are the last time the processing systems will be used other than for draining and deactivation. This is a major milestone for transition of CVDF (142K) to a new mission.

## 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-012/WBS 012</b>				
STP-007 Competing Priorities	Develop detailed working schedules and institute interface meetings to communicate priorities and progress. Overtime used to mitigate impacts of schedule delay.	●	↓	Craft resource sharing is impacting CVDF transition/layout. Instrument technicians are needed to perform OCRWM Closeout Calibrations.
STP-ANX-008: Annex Design and Requirements Changes	Maintain rigorous control of design specifications. Streamline approach for addressing contractor submittals and RFI's to acknowledge and minimize design changes. Communicate regularly with stakeholders (DOE, contractors, and CHPRC organizations) regarding impacts and potential changes.	●	↓	Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.
STP-ANX-001: Annex Subcontract Change Orders/Claims	Prepare accurate Functional Requirements and SOW. Monitor Subcontractor activities and identify problem areas. Develop an efficient approach for handling contractor submittals and RCI's	●	↓	Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule. Subcontractor Quality assurance issues are affecting performance.
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 index is above the target of 1.04, however both cost and schedule performance are trending down.
STP-067: Safety Significant Components	Integrate nuclear safety representation on design team to minimize potential for changes in component classifications (Safety Significant to Safety Class and General Service to Safety Significant). Expedite submittal and approval of PDSA.	●	↔	PDSA progressing and scheduled submittal in February 2013.
STP-002: STP Uncertainties	Force design parameters to limit control systems to the extent practicable. Test multiple components/systems concurrently to ensure technologies are transferable to the basin application/environment.	●	↔	No issues at this time. MASF Testing progressing as planned
STP-006B: Sludge Different than Simulant - Retrieval	Develop simulant recipes based on the sludge Databook (SNF-TI-015) and develop a range of simulants to be used during testing. Utilize simulant recipes during MASF testing.	●	↔	No issues at this time. MASF Testing progressing as planned

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.0	4.4	4.6	(1.6)	-25.9%	(0.1)	-3.3%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (-\$1.6M/-25.9%)

The current month negative variance is due to continued delays with the Annex construction as design issues are resolved, changes implemented, and a quality stand-down occurred. Additionally, delays in the final settler tank retrieval are the result of focus on the CVDF layup and the Project continues to evaluate whether material meets criteria for characterization as low-level waste.

#### CM Cost Performance (-\$0.1M/-3.3%)

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	354.1	346.9	346.5	(7.2)	-2.0%	0.4	0.1%	605.9	632.0	(26.1)

Numbers are rounded to the nearest \$0.1M

#### CTD Schedule Performance (-\$7.2M/-2.0%)

Variance is within reporting thresholds.

#### CTD Cost Performance (+\$0.4M/+0.1%)

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.

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

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

FY2013			
RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Projected Funding	Spending Forecast	Spend Variance
RL-0012	69.5	69.1	0.4

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
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)

January 2013  
CHPRC-2013-01, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The W&FMP continued maintaining facilities in a safe and compliant condition. Overall the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) received 7 tankers (calendar year [CY] 26k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 149k gallons of ERDF leachate (CY 0.27M gallons). The project supported tours of WRAP, WESF, and CWC for WRPS, WDOH, DOE and DNFSB.

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
<b>13-EMS-DWF&amp;RS-OB2-T1</b>	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	9/30/13	On Schedule
<b>13-EMS-DWF&amp;RS-OB4-T1</b>	Strengthen the DWF&RS environmental compliance program by reducing the risk of noncompliance with regulatory requirements.	Develop compliance matrices for CSB, ISA, WESF, ETF, and LERF facilities and operations.	9/30/13	On Schedule
<b>13-EMS-DWF&amp;RS-OB5-T1</b>	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 DWF&RS management control.	8/31/13	On Schedule

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	2	22	1/05/13 - Employee reported descending stairs when worker experienced pain in knee. Body part affected: Knee (22984)  1/08/13 - Employee slipped on ice and fell. Body part affected : Neck and Knee (22985)
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 13.01 Project Management

- Continued Project Management support for high priority projects
- Continued discussions with DOE of multiple Potential Notification of Changes

### 13.02 Capsule Storage & Disposition

- Implemented the Evaluation of the Safety of the Situation (ESS) for Pool Cell Concrete Degradation
- Continued with inner capsule movement testing. Cumulative total capsules inspected since initiation in December is 275 out of 383
- Continued with shop and field work on replacement Radiation Indicator Transmitters (RIT) for K-3 Filter Pit and Tank 100. Detectors were shipped back to vendor for cable sizing and calibration
- Toured US Senate committee member and DOE representatives through WESF
- Removed diesel generator battery charger and shipped to vendor for refurbishment

### 13.03 Canister Storage Building (CSB)

- Continued Knock Out Pot (KOP) multi-canister overpack (MCO) monitoring program
- Completed annual Emergency Propane Generator Tests and Inspection
- Completed annual Cask Receiving Crane inspection
- Initiated MCO Handling Machine (MHM) Drive Motor Torque Arm repair

### 13.07 WRAP

- Layup Plan - Continued 2404-WB drum hauler work package resolution

- Completed Universal Waste (UW) shipment to T Plant; shipment included ballasts, light bulbs, batteries and lead acid batteries
- Completed six-month High Energy Real Time Radiography (HERTR) inspection and lube preventive maintenance (PM)
- Supported Process Area glove box tour with W&FMP Nuclear Safety and DOE Nuclear Safety to observe conditions of the Low Level Waste (LLW) Glove Box windows
- Conducted Enhance Work Planning (EWP) meeting for Cf-252 source replacement in the Super High Energy Neutron Counter (HENC)
- Worked 401 air handling unit (AHU) supply fan (SF) motor replacement; installed replacement SF motor, phase tested, installed belts, guard, wires and lubed shaft bearing
- Worked 401 AHU; installed gaskets, panels and instruments; performed two hour run in, lubed motor shaft, lubed and tightend belt on Radio frequency (RF); running >four hours run in
- Completed area radiation monitor (ARM) functional testing at HERTR
- Delivered two new, empty standard waste boxes (SWB) to Washington Closure Hanford, LLC (WCH) (BG 618 Project) at their request for mockup and training purposes
- Completed 12 Technical Safety Requirement (TSR) surveillances
- Completed 18 Preventive Maintenance (PM) packages
- Completed 95 Radiological (Rad) surveillances
- Completed 47 Operational surveillances

#### **13.08 T-Plant**

- Completed final closure for three Mixed Low Level Waste (MLLW) containers, one recycle box and scheduled pick-up for an Environmental Restoration Disposal Facility (ERDF) roll on/roll off container
- Continued with the replacement of deluge valve system in the 2706T ACT-II Filter Room, all field work and tie-in back to the fire suppression system was completed by 1/24/13, equipment labeling and final quality assurance (QA) inspections is all that remains to complete the package
- Completed all piping work for the sanitary water lines, hot water is now available and all bathrooms are back in service. Maintenance continued the work package by restoring lights and ceiling panels in the lunchroom – this work package was completed on 1/17/13
- Completed four TSR surveillances
- Completed 22 PM packages
- Completed 310 Rad surveillances
- Completed 201 Operational surveillances
- Shipments
  - Completed shipment (NC008) one LLMW drum to PFNW on 1/15/13

#### **13.09 Central Waste Complex (CWC)**

- Completed weekly cold weather inspections
- Supported Hanford Fir Department annual fire extinguisher maintenance PM
- Placed new covers over two large waste boxes in the CWC Expansion Area
- Continued with semi-annual container audit activities with planned finish date prior to January 31, 2013
- Developed a recovery plan to collect a sample of white powdery substance identified on a

concrete culvert shielding ring (waste package 105K-95-TRU002) waste container in 2403-WD.

- o Sample analysis will be performed at the Waste Sampling and Characterization Facility (WSCF) Laboratory. Sample material was collected January 17, 2013.
- o Received the preliminary analysis results from WSCF Laboratory. Results show that the material is a leached component of the shielding concrete that most likely occurred when the concrete was originally poured
- Supported a visit by Washington River Protection Solutions, LLC (WRPS) and Waste Treatment Plant (WTP) “One System” personnel. Interest was focused on how the CWC stored waste packages, how the buildings were constructed and operational issues that are associated with managing large radioactive waste storage facilities
- Supported Washington State Department of Health (WDOH) tour of Trench 94 to observe the Navy Reactor Compartments, bird nests and follow up discussions on the approved As Low As Reasonably Achievable Control Technology (ALARACT) for clean up activities
- Radiological routine personnel reported hearing air leaking inside 2402WG. Compressed air was found leaking from the fire suppression system header in 2402WG. Shift Duty Officer (SDO) contacted HFD, LCO 3.2.1 was entered into at 1009 on January 17, 2013, notifications were made and the post indicator valve (PIV) associated with 2402WG was shut, entered hourly fire watch. Installed and system tested 2402WG fire system patch and the Limiting Condition for Operations (LCO) 3.2.1 was exited at 1435 on January 18, 2013.
- Completed six TSR surveillances
- Completed 31 PM packages
- Completed 232 Rad surveillances
- Completed 78 Operational surveillances
- Shipments
  - o Received three new empty standard large box (SLB2) from Energy Northwest
  - o Received two shipments totaling 13 SWBs from Plutonium Finishing Plant (PFP)
  - o Received N2011/N2012000 (32 drums) into 2402WK and 2404WA

### 13.11 Liquid Effluent Facilities (LEF)

- Received (calendar year [CY]) 7 tankers; 26k gallons
- Treated effluent to State-Approved Land Disposal Site: No change (CY 0)
- Discharged 1.29M gallons (CY 1.29M gallons) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (149k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (0.27M gallons CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 30k gallons
- Re-circulated contents of Basin 43 in preparation for restart
- Completed evaluation of 53 Nuclear Safety and Performance Evaluation Board (NSPEB) issues in the Comment Reporting and Resolution System. Initiated causal analysis for overall concern
- Continued receiving Mixed Waste Trench leachate tankers
- Continued receiving perched water tankers from BP-5
- Continued receiving Waste Sampling and Characterization Facility (WSCF) customer waste water drums
- Placed Thin Film Dryer (TFD) into operation after engineering supported software changes which

allowed placing the Thin Film Dryer into operation with brine from Basin 43. Added 14 customer waste water drums to the Concentrate Tank B (CT-B) for processing through the TFD

- Maintenance Activities
  - Replaced the Thin Film Dryer (TFD) blower assembly
  - Removed transition piece for exhauster from 60I-P-2 pump. Initiated replacement of expansion boot and recirculation pump 60I-P-2.
  - Replaced failed solenoid valve on the Air Dryer assembly
  - Continued shop fabrication to replace Basin 44 recirculation line
  - Completed the replacement of Pump Station #3 access ladder to resolve safety concern
  - Replaced the Thin Film Dryer (TFD) blower assembly
  - Repaired Rollup Door (19A-RD-2) in the process area and placed into service
- Evaporator Heat Exchanger Repairs:
  - Completed defect repairs on the east and west sides of the evaporator shell
  - Completed fit up and welding of the replacement partition plate. Two indications were identified requiring grinding and welding. No crack propagation detected
  - Completed Non-Destructive Evaluation (NDE) by performing Dye Penetrant (weld repairs), Ultrasonic Testing (wall thickness) and Vacuum Box Leak testing of repaired areas
  - Completed visual inspection by the R Stamp Authorized Inspector
  - Installed bell end of heat exchanger
  - Welded “R Stamp” on to vessel body
  - Approved Fluor R Stamp paperwork (traveler and R1 form)
- **Liquid Effluent Retention Facility (LERF) Basin activities:**
  - Basin 44:
    - Continued with surveys/posting verification activities
    - Work impacted by resource availability (applied to Basin 42) and weather impacts
  - Basin 42:
    - Continued water and dirt removal from LERF Basin 42 cover, but impacted due to cold weather and ice build up on standing water
    - Deployed the floating pump assembly and continued with water and soil removal at LERF Basin 42
    - Generated work document and verified material to mockup new bulk vegetation removal in Basin 41 pit
    - Performed preliminary mockup activities simulating bulk vegetation removal using a back hoe at Basin 41 pit

### 13.12 Integrated Disposal Facility

- Completed the monthly and quarterly inspections
- Completed six Operational Surveillances

### 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 20 Radiological and four Operational surveillances

- Completed five Operational surveillances
- Shipments
  - o Shipped one Mixed Waste (MW) drum from the Mixed Waste Trench (MWT) 31 90-Day Accumulation Area to Perma-Fix Northwest (PFNW)
  - o Received two MW drums and two MW boxes from PFNW into MWT 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; developed work package to remove vegetation, water, soil and debris from the cover; once water and sediment are removed, a comprehensive cover inspection will be performed and path forward developed for repairs based upon inspection results.

**Issue** – Basin 43 campaign shutdown required due to a leak on the evaporator heat exchanger.

**Corrective Actions** – Completed contract for repairs to pressure vessel (heat exchanger); completed inner heat exchanger surface cleaning, removed glove bag for testing; removed a portion of the baffle plate (approximately nine inches) to verify shell repairs compliance with code.

**Status** – Completed decontamination, work package planning, and work site preparations (bullpen, splash shields and saddles fabrication). Completed defect repairs on the east and west sides of the evaporator shell and completed fit up and welding of the replacement partition plate. Two indications were identified requiring grinding and welding. No crack propagation was detected. Completed Non-Destructive Evaluation (NDE) by performing Dye Penetrant (weld repairs), Ultrasonic Testing (wall thickness) and Vacuum Box Leak testing of repaired areas.

### 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			CHPRC waste generation process and practices provided funding to WCH to perform in-trench macro encapsulation. EPA may request WCH halt in-cell macro encapsulation waste treatment activities. CHPRC is working with WCH to evaluate the planned waste expected to be macro encapsulated at ERDF within the next 12 months.
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-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) 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>Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area.</li> <li>Thin-Film Dryer rotor replacement scheduled during next ETF outage and replacement of heat exchanger.</li> <li>Continuing to experience greater than planned maintenance at ETF and LERF.</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.			<p>WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011 is nearing completion.</p> <p>Washington Department of Ecology performed inspection of CWC on September 17. In discussions regarding preliminary feedback.</p>
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	7.3	7.4	6.6	0.1	2.0%	0.9	11.5%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (+\$0.1M/+2.0%)

The current period schedule variance is within threshold.

#### CM Cost Performance (+\$0.9M/+11.5%)

The favorable current period cost variance is primarily the result 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	729.5	729.3	718.6	(0.3)	-0.0%	10.7	1.5%	1,344.1	1,327.0	17.1

Numbers are rounded to the nearest \$0.1M

#### CTD Schedule Performance (-\$0.3M/-0.0%)

The unfavorable schedule variance is within threshold.

#### CTD Cost Performance (+\$10.7M/+1.5%)

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 December to January 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		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	77.6	78.9	(1.3)

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 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
M-091-40U-T01	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.
M-091-46B-T01	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

January 2013  
CHPRC-2013-01, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

**C. M. Kronvall**  
Acting Vice President for  
Engineering, Projects  
and Construction

## 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 January includes the following:

- 25.2M gallons groundwater treated by KX treatment facility
- 12.3M gallons groundwater treated by KW treatment facility
- 13.1M gallons groundwater treated by KR-4 treatment facility
- 33.2M gallons groundwater treated by HX treatment facility
- 20.8M gallons groundwater treated by DX treatment facility
- 64.2M gallon groundwater treated by 200W treatment facility
- 168.8M gallons of groundwater treated total

Sampling	January	FY2013 Cumulative
Number of Well Sampling Events	230	771
Number of Aquifer Sampling Events	52	322
Total Number of Sampling Events	282	1093
Total Number of Samples Collected	775	3560
Total Number of Analyses Performed	1782	8477

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB1-T1	Reduce chemical use at S&GRP pump and treat facilities per unit of groundwater treated	Establish a baseline for chemical use per unit of groundwater treated (e.g. each 10,000 gallons treat) at the 200-West Area 100 Area Pump and Treat Facilities.		This objective has been cancelled.
		A monthly chemical use log tallied by individual chemical used for treating groundwater. Progress reported at 8% with 100% at the end of the 12 <sup>th</sup> month		Cancelled.
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 25%

Objective #	Objective	Target	Due Date	Status
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	On schedule
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	594.5M Gallons treated through 1/31/13
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
		Presentation material and training/class attendance sheets, submitted to EP Director at end of each quarter. Progress reported at 25% increments.	Quarterly	Progress at 25%
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
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	On schedule. 35% 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	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	3	26	<p><b>1/4/2013</b> – Employee tripped and fell causing small contusion to his knee. Employee was examined and released to work with no restriction. (22979) S&amp;GRP</p> <p><b>1/9/2013</b> - Employee grabbed a door handle to open door and cut his right index finger near the knuckle when he brushed against the door lock. Due to the open wound he received a work restriction to protect wound. (22986) S&amp;GRP</p> <p><b>1/29/2013</b> – Employee was using a hacksaw to cut off a hose clamp, he was removing the clamp when it sprung back striking his right thumb causing a small puncture wound to the pad of the thumb from a sharp edge on the hose clamp. Employee was wearing leather gloves. Due to the open wound he received a work restriction to protect wound. (22995) S&amp;GRP</p>
Near-Misses	0	1	

## KEY ACCOMPLISHMENTS

### RL-0030.O1 RL 30 Operations

#### RL 30 Integration & Assessments

##### Environmental Integration

- 100-D/H Ecology Interactions – The CHPRC Risk and Modeling team prepared a crosswalk between WAC requirements for use of an alternative fate and transport model and how these are fulfilled in the RI/FS.
- TC&WM EIS Model Transition - The TC&WM EIS team had an initial transition meeting with RL and CHPRC Technical Integration staff on January 31, 2013.
- TPA Milestones – Continue to support renegotiations
  - M-037-03: Currently proposed to complete the 216-S-10 Pond and Crib Closure Plan under M-037-03, and creation of a separate interim milestone for 216-B-Pond System Closure Plan for completion next fiscal year.
  - Tentative Agreement for the River Corridor milestone packages: EPA has committed to consider any advice provided by the HAB during the February 7 and 8, 2013 meetings prior to finalizing the milestone change package.

## River Corridor

### 100-BC-5 Operable Unit

- RI/FS Work Plan and SAP: Submitted draft document appendices (in the form of TPA change notices) to EPA on January 28, 2013, completing proposed milestone M-015-74 ahead of the January 31, 2013 due date (13-AMRP-0092, CHPRC 1300335).

## Central Plateau

### 200-UP-1 Operable Unit

- The Decisional Draft RD/RA Work Plan was completed and provided to RL on January 29, 2013 for review.

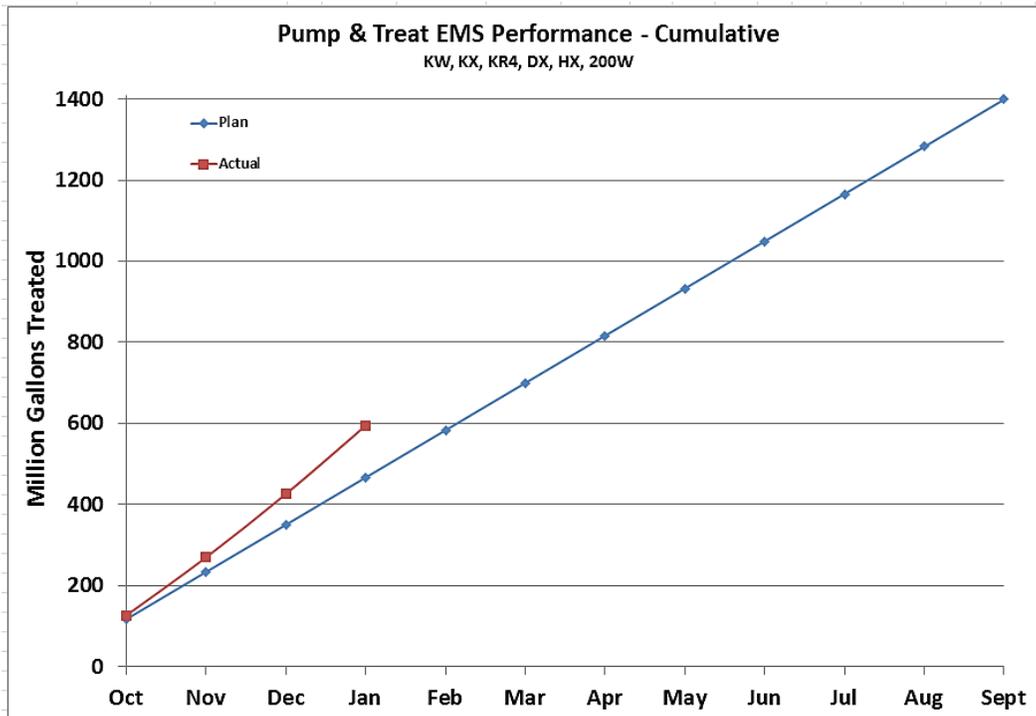
### 200 West Pump and Treat

- During this month, the 200 West P&T ran at a pumping rate ranging from 1,285 gpm to 1,590 gpm. A few times during this reporting period the plant shut down for a few hours to allow the cleaning of a strainer, flushing carbon from carbon separator tank, in-bed cleaning of FBR B, etc.
- The two ion exchange resin trains were run between 451 gpm and 544 gpm combined capacity, removing Tc-99 from groundwater from selected wells near the TX-TY and T Tank Farms as well as from the vicinity of the S-SX Tank Farm.
- Due to changes being performed at the direction of the bio-reactor specialists, which include changes in nutrient levels for biological growth, cleaning of the fluidized bed reactors, etc. the nitrate levels temporarily increased to just above the 10 mg/L cleanup level. Nitrate levels are expected to drop back down below the cleanup level once the fluidized bed reactors re-stabilize from these adjustments. For all other contaminants, the plant is successfully reducing the concentration of contaminants to well below cleanup levels specified in the record of decision.

### 200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 9,018 gallons during the month of January, bringing the total volume of perched water removed to 94,561 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of January:
  - o Tc-99            4.2E-04 Ci
  - o Uranium        908 grams
  - o Nitrates        17.8 kilograms
- The perched water removal system removed the following quantities of contaminants since project start-up (cumulative removal):
  - o Tc-99            7.6E-03 Ci
  - o Uranium        15 kilograms
  - o Nitrates        185.3 kilograms

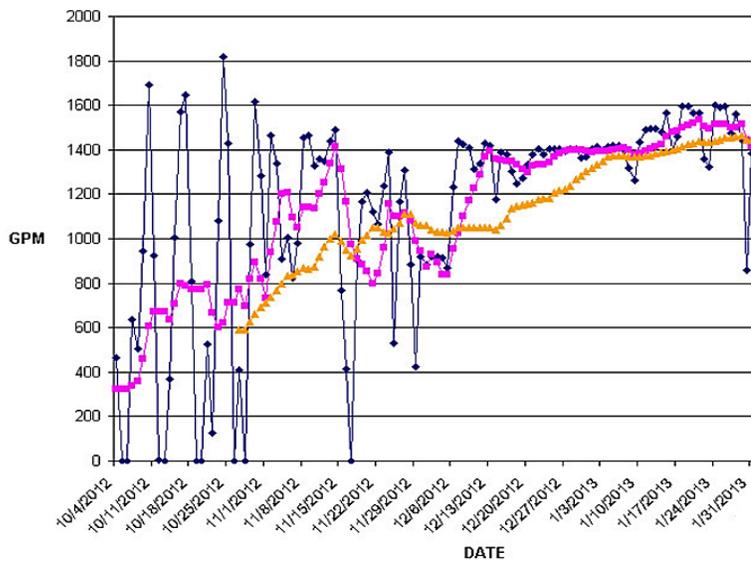
**Pump and Treat Operations – FY2013**



**200 West Pump and Treat Operations**

**2W EXTRACTION WELLS AVERAGE DAILY FLOW RATES**

Current GPM = 1360 Capacity = 1360 / 2100 = 65% \*  
Average GPM = 1375 Capacity = 1375 / 2100 = 65% \*



The 7/30 day average is calculated by averaging the reported production total volume over the number of days in the period.

Production total volume is calculated by summing the reported volume from each extraction well. Production is validated monthly by ensuring that the extraction total and equalization tank throughputs agree within 5%.

\* Available Wells

## MAJOR ISSUES

**Issue** – The Tentative Agreement, that modifies the delivery date for the 100-N and 100-BC OU RI/FS Reports and Proposed Plans, has not been approved. The Tentative Agreement includes additional milestones for installing and monitoring new wells and aquifer tubes in the 100-BC-5 OU.

**Corrective Action** –

- DOE has authorized PRC to begin preparatory activities for drilling field work at 100-BC-5. Authorization to execute the field activities is pending the TPA approval of a change notice to the RI/FS Work Plan and SAP. Requested DOE authorize the initiation of well drilling and aquifer tube installation to meet the September 30, 2013 draft TPA milestone.
- 100-NR-2 RI/FS Report is planned for delivery in June 2013
- 100-BC-5 RI/FS Report and Proposed Plan are planned for delivery in December 2016.

**Status** – Public comment period has closed and anticipate approval in 4-6 weeks.

**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 ROD for the 300 Area within FY13.

**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** – Continuing to work with RL and Regulators to resolve the comment and approve the Rev 0 RI/FS Report and Proposed Plan.

**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** –

- DQO complete; resolving RL comments on sampling instructions. Awaiting notice to proceed for field activities.
- DOE meeting with Tribal representatives to revise, or develop new Memoranda of Agreement for characterization in culturally sensitive areas. DQO complete; nearing completion on sampling instructions; anticipating field work in late April.
- No additional efforts at this time.

### RISK MANAGEMENT STATUS

Unassigned Risk  
Risk Passed  
New Risk  
Change

Working - No Concerns  
 Working - Critical  
 Working - Concern

Increased Confidence  
 No Change  
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-030/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.			Numerous regulatory comments (EPA technical, legal, and policy) pertaining mainly to policy issues and alternative selection have impacted the ability to complete the 300 Area proposed plan. As a result, the proposed plan has been revised numerous times and additional technical documents (technical memo and addendum to the RI/FS report) will be required.
<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.
<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 Request for Proposal (RFP).			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary. To achieve a conclusion of MNA, additional monitoring and aquifer tubes are required (contract change) under TPA Milestone M-015-76.
<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 an RFP.			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 is currently under regulatory review.
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Installation of injection wells and extraction wells was accelerated to ensure the expected 2,000 gpm pumping rates will be achieved. Resources have already been utilized to update the test plan and perform associated construction activities (e.g. installation of well racks, tie-in of wells, lay HDPE). Five interim injection wells were recently hooked up to the 200 West P&T for additional injection capacity.			Installation of 3 extraction and 3 injection wells in FY 2013 plus the connection of 5 interim system injection wells performed in FY 2012 is anticipated to provide sufficient flow rates. To date, two wells have been drilled to depth and are awaiting well development and completion.
SGW-083, River Corridor Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units or to investigate findings from WCH data gathering.			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.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operating 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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
<b>RL-030/WBS 030</b>				
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilize aggressive Corrective Maintenance program to ensure that staff is trained on new equipment. Perform design modifications/procedure revisions to accommodate unexpected conditions. Continue to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues identified 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.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. There are four Skanska sub-contractors and four CHPRC initiated long-lead procurements that remain.
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.	●	↑	<b>Cost Performance for January improved</b> , however remains below the CPI Target of 1.08 for Fiscal Year.

## 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	0.2	0.0	0.0	(0.2)	0.0
<b>RL-0030.O1 RL 30 (Operations)</b>	9.3	8.5	6.3	(0.8)	-8.3	2.3	26.4
<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>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>0.0</u>	0.0
<b>Total</b>	<b>9.3</b>	<b>8.5</b>	<b>6.5</b>	<b>(0.8)</b>	<b>-8.3</b>	<b>2.0</b>	<b>24.0</b>

Numbers are rounded to the nearest \$0.1M.

#### CM Schedule Performance (-\$0.8M/-8.3%)

#### RL-0030.O1 RL 30 Operations (-\$0.8M/-8.3%)

#### Drilling (-\$0.4M)

Well drilling activities for KR-4, HR-3 and M-24 have been delayed pending the decision on BC-5 wells.

#### 100-NR-2 Operable Unit (-\$0.4M)

The current month negative schedule variance is the result of early completion of FY2013 barrier expansion work scope (completed in FY2011/FY2012). The current month negative schedule variance will continue throughout FY2013 as BCWP was earned for this work scope in prior years. This will result in a reduction to the contract to date positive schedule variance during the remainder of this fiscal year. There is no overall negative impact to the CTD schedule variance as the work planned to be completed in FY2013 has already been completed.

**CM Cost Performance (+\$2.0M/+24.0%)**

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

**RL-0030.C1 GW Remedy Implement (-\$0.2M/-0.0%)**

All variances are within reporting thresholds

**RL-0030.O1 RL 30 Operations (+\$2.3M/+26.4%)****GW Monitoring and Performance Assessments (+\$0.9M)**

The current month favorable variance is the result various efficiencies being obtained in modutank operations, geophysical sciences and logging, and well maintenance, monitoring, and reporting. These efficiencies are planned to stay within overall project funding.

**100-KR-4 Operable Unit (+\$0.3M)**

The current month favorable cost variance is due to 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	(13.7)	-18.6	73.4	87.6	(14.2)
<b>RL-0030.O1 RL 30 (Operations)</b>	496.6	496.6	488.2	0.0	0.0	8.4	1.7	1,151.4	1,137.3	14.2
<b>RL-0030.R1.1 Cleanup Operations</b>	175.0	175.0	174.6	0.0	0.0	0.4	0.2	175.0	174.6	0.4
<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>837.1</b>	<b>837.2</b>	<b>839.4</b>	<b>0.0</b>	<b>0.0</b>	<b>(2.2)</b>	<b>-0.3</b>	<b>1,492.0</b>	<b>1,489.0</b>	<b>3.0</b>

Numbers are rounded to the nearest \$0.1M.

**CTD Schedule Performance (+\$0.0M/+0.0%)** – Schedule performance is within reporting thresholds.

**CTD Cost Performance (-\$2.2M/-0.3%)** – Cost performance is within reporting thresholds. The CTD cost variances are primarily the result of prior year activity that has been previously reported:

**RL-0030.C1 GW Remedy Implement (-\$13.7M/-18.6%)****200-ZP-1 Operable Unit (-\$13.7M)**

The variance is primarily due to 200 West Pump & 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 (+\$8.4M/1.7%)**Integration and Assessments (+\$5.8M)

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 (-\$2.5M)

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 (+\$3.2M)

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.

100-NR-2 Operable Unit (+\$2.7M)

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 (+\$1.7M)

The positive cost variance is primarily the result of efficiencies realized in general operations and Soil Vapor Extraction testing.

RL-30 CHPRC Allocations (+\$0.8M)

Work force restructuring cost was less than originally planned in FY2012 and has been previously reported.

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 0.2% 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	98.7	96.8	1.9

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

AWA-030-13-004R0 Special Authorization for Work Related to BC-5

BCR-030-13-006R0 Alignment of Geophysical Logging per Contract Mod 249

**FY2013 Management Reserve (Funded): \$0.5M**

## 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, 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
P-015-74	Submit Revised BC RI/FSWP & SAP		1/31/13	1/28/13		Potential TPA Milestone complete per 13-AMRP-0092, CHPRC 1300335.
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs	TPA	12/31/12	TBD		Complete Pending Negotiation of TPA Tentative Agreement Completion by submitting FR-3 and HR-3 RI/FS and PP Draft A documents.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-68-T01	Submit RI/FS Report & PP for 100-BC-1/2/5 OUs	TPA	3/15/12 (Original Due Date: 11/30/11)		12/15/16	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to November 30, 2016.
M-015-62-T01	Submit a FS/PP for 100-NR-2-1/2 Operable Units Including groundwater and soil.	TPA	9/17/12		6/28/13	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to June 30, 2013.
M-091-40L-37	PMM Submittal Oct-Dec 1st Qtr. FY2013 Burial Ground Sample Results	TPA	3/15/13		3/15/13	On Schedule
M-085-01	Submit a change package to establish a date for major milestone M-085-00.	TPA	3/30/13		9/30/22	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to September 30, 2022.
M-037-03	Submit Revised Closure Plans for 216-B-3 and 216-S-10	TPA	4/30/13		4/30/13	13-AMRP-0088 Notifies Ecology that Milestone is at risk of not being met. RL is self-performing the completion of draft reports.
M-024-58F	Initiate Discussions of Well Commitments	TPA	6/1/13		6/1/13	On Schedule
M-091-40L-038	PMM Submittal Jan-Mar 2nd Qtr. FY2013 Burial Ground Sample Results	TPA	6/15/13		6/15/13	On Schedule
M-016-126	Submit a Draft A Remedial Design/Remedial Action Work Plan for 200-UP-1 to EPA.	TPA	06/24/13		03/31/13	On Schedule. Internal PRC review draft complete
M-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/13	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY13 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	On Schedule
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr FY13 Burial Ground Sample Results	TPA	12/15/13		12/15/13	On Schedule
M-024-64	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/13		12/31/13	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)

January 2013  
CHPRC-2013-01, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The inactive Central Plateau facilities and radiological areas remedial action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project completed all 200W RARA WIDs Site surveillances and conducted 87 radiological facility surveillances.

### EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
<b>13-EMS-DWF&amp;RS-OB2-T1</b>	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	9/30/13	On Schedule
<b>13-EMS-DWF&amp;RS-OB5-T1</b>	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 DWF&RS management control.	8/31/13	On Schedule

### TARGET ZERO PERFORMANCE

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

### KEY ACCOMPLISHMENTS

- Completed the 600 Area annual Deactivation and Decommissioning WIDS Site operational surveillances.
- Completed all 200W Annual Radiation Area Remedial Action (RARA) WIDs Site surveillance.
- Completed the backfill of two WIDS site areas that needed repair.
- Conducted 87 radiological facility surveillances.
- Completed 25 Preventative Maintenance (PM) Activities.

## MAJOR ISSUES

**Issue** – Uncharacterized substance (white powder) found on the floor of the Reduction-Oxidation (REDOX) North Piping Gallery impeding the completion of the building surveillance.

**Corrective Action** – Obtain sample of substance and determine a path forward based on the analysis.

**Status** – Sampling work package has been completed and the sampling evolution was performed on January 23, 2013. Received analysis on February 4, 2013. Path forward has not been determined.

## 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-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. Redox roof repairs under investigation.
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.
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 112%. Cost Performance increased in the month of November to greater than 112% for first fiscal year.

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.9	0.9	0.5	0.0	1.0%	0.5	52.2%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance: (+\$0.0M/+1.0%)**

Variance is within threshold.

**CM Cost Performance: (+\$0.5M/+52.2%)**

Variance is primarily due to an accrual reversal for Asbestos disposal (FY2012 ARRA scope) coupled with continued implementation of planned efficiencies.

### 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	368.1	368.1	340.9	(0.0)	-0.0%	27.2	7.4%	488.7	460.6	28.1

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

**CTD Cost Performance: (+\$27.2M/+7.4%)**

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

- Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4); overhead allocations, less than anticipated resources for Program Management and C-3 Sampling; lower than planned costs for capital equipment (D4), and less asbestos abatement required for 200W buildings. This is offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration and 209E Project delays, less resources required at U Canyon (D4), and Usage Based Services higher than planned.
- Efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D, and Outer Area waste sites. The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (pass back) to Environmental Restoration Disposal Facility (ERDF) waste disposal costs reflecting the operational efficiencies of

the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project due to the walls of the basins being much thicker than estimated.

- Efficiencies for demolition of the Industrial 7 Project (D4) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected, completion of the sampling of Cell 30 with less resources than planned, Program Management utilizing less resources, capital equipment, Usage Base Services, and under run in overhead allocations.

**Estimate at Completion (EAC)**

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from December to January are within reporting thresholds.

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

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	11.4	11.1	0.3

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)

January 2013  
CHPRC-2013-01, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Developed draft surveillance and maintenance procedure for the 105KE facility. Making revisions to the 105KE occupancy permit based upon the current state of the facility and the surrounding soil. Continued working on removal of waste from the 100K area.

## EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
<b>13-EMS-DWF&amp;RS-OB2-T1</b>	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	9/30/13	On Schedule
<b>13-EMS-DWF&amp;RS-OB5-T1</b>	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 DWF&RS management control.	8/31/13	On Schedule

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	0	25	N/A
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### Facilities

- Developed initial draft of the 105KE surveillance and maintenance procedure.
- Initiated revisions to the 105KE Facility Hazard Categorization.
- Continued with disposition/disposal of legacy waste items for the 100K Area.

## 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.			Continuing to discuss cleanup and material removal requirements. Additional clean out priorities/materials may require remediation.
KBC-043: Waste Site Remediation Completion Requirements	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			It has been demonstrated that with ISS of 105KE, two significant plumes will not be fully remediated under the RTD. The project is researching a long-term (i.e. 75 year) low cost stabilization that will retard water movement through the contaminated zone (i.e. contract modification to install asphalt barrier to cover 116-KE-1, 116-KE-3 and the UPR-100-K-1). Remediation and long-term stabilization must be determined and completed prior to initiating construction of the KE-Reactor structure.
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.
KBC-004: Contamination Depth Greater Than Planned	Cannot control extent of contamination; Mitigate risk utilizing total tons within the PMB volume for 100-K waste sites Remediation.			The 100K waste sites that have been remediated to date realized more tons of waste than planned. CHPRC will continue to use planned BCWS up to the planned PMB total tons estimated.
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.

## PROJECT BASELINE PERFORMANCE

### Current Month

### (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.2	0.6	0.5	-0.6	-49.1%	0.2	25.3%

Numbers are rounded to the nearest \$0.1M

#### CM Schedule Performance (-\$0.6M/-49.1%)

The variance is primarily due to completion of planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to rephase to 2015.

#### CM Cost Performance (+\$0.2M/+25.3%)

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	295.8	297.1	277.4	1.3	0.4%	19.7	6.6%	467.5	450.6	16.9

Numbers are rounded to the nearest \$0.1M

#### CTD Schedule Performance (+\$1.3M/+0.4%)

The positive schedule variance is due to CSNA sites that were completed early.

#### CTD Cost Performance (+\$19.7M/+6.6%)

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

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

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

FY2013			
WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Projected Funding	Spending Forecast	Spend Variance
RL-0041	12.6	8.6	4.0

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)

January 2013  
CHPRC-2013-01, 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. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection.

## EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
<b>13-EMS-DWF&amp;RS-OB2-T1</b>	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	9/30/13	
<b>13-EMS-DWF&amp;RS-OB5-T1</b>	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 DWF&RS management control.	8/31/13	

## 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 four Preventive Maintenance (PM) activities/Operational Surveillances
- Completed four Radiological Surveillances
- Continued support for the Business Case addressing future operation of the 400 Area water system.

## 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>				
<b>FFTF-012: Major Equipment or Structural Failure</b>	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities.
<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.			Maintain Fiscal Year Cost Performance Index (CPI) at 102%. FFTF performing above Cost Performance of 102%.

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

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.1	0.0	0.0%	0.0	21.9%

Numbers are rounded to the nearest \$0.1M

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

The current period schedule variance is within thresholds.

**CM Cost Performance: (+\$0.0M/+21.9%)**

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	14.5	14.5	12.6	0.0	0.0%	1.9	13.0%	26.5	24.4	2.1

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 (+\$1.9M/+13.0%)

The favorable CTD cost variance reflects efficient use of resources to support deactivation activities with available time further aided in creating this favorable cost variance.

### Estimate at Completion (EAC)

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

The change in EAC from December to January is within reporting thresholds.

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

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

RL-0042 FFTF Closure	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0042	2.5	2.3	0.2

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

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.

# 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



January 2013  
CHPRC-2013-01, 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) 2012 / 12 / 24							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 01 / 27							
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X 9/18/2009									
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,451,101	0		227,660	5,678,761	5,700,654	5,678,761	5,700,654								
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		5,386,913						c. SIGNATURE			d. DATE SIGNED 1/27/2013					
b. WORST CASE		5,451,101														
c. MOST LIKELY		5,472,993		5,451,101		(21,893)										
8. PERFORMANCE DATA																
WBS[1]  ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
011 RL-11 NM Stabilization and Disposition PFP	9,461	8,813	8,788	(648)	25	569,213	560,633	573,846	(8,580)	(13,213)	0	0	0	940,255	1,003,264	(63,010)
012 RL-12 SNF Stabilization and Disposition	5,998	4,447	4,594	(1,551)	(147)	354,098	346,927	346,484	(7,171)	443	0	0	0	605,948	632,043	(26,095)
013 RL-13 Solid Waste Stabilization & Disposition	7,277	7,422	6,570	145	852	729,529	729,266	718,603	(263)	10,663	0	0	0	1,344,099	1,327,001	17,098
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	9,297	8,522	6,482	(775)	2,040	837,105	837,162	839,382	57	(2,220)	0	0	0	1,491,955	1,489,002	2,954
040 RL-40 Nuclear Facility D&D Remainder of Hanford	948	957	458	9	499	368,110	368,081	340,869	(29)	27,212	0	0	0	488,747	460,610	28,137
041 RL-41 Nuclear Facility D&D - River Corridor	1,243	633	473	(610)	160	295,804	297,072	277,415	1,268	19,656	0	0	0	467,474	450,575	16,899
042 RL-42 FFTF Closure	169	169	132	0	37	14,480	14,480	12,591	0	1,889	0	0	0	26,542	24,418	2,124
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>34,393</b>	<b>30,963</b>	<b>27,497</b>	<b>(3,430)</b>	<b>3,466</b>	<b>3,168,339</b>	<b>3,153,622</b>	<b>3,109,191</b>	<b>(14,717)</b>	<b>44,431</b>	0	0	0	<b>5,365,020</b>	<b>5,386,913</b>	<b>(21,893)</b>
f. Management Reserve														86,081		
g. Total	<b>34,393</b>	<b>30,963</b>	<b>27,497</b>	<b>(3,430)</b>	<b>3,466</b>	<b>3,168,339</b>	<b>3,153,622</b>	<b>3,109,191</b>	<b>(14,717)</b>	<b>44,431</b>	0	0	0	<b>5,451,101</b>		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									<b>(14,717)</b>	<b>44,431</b>				<b>5,451,101</b>	<b>5,386,913</b>	<b>64,188</b>

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				e. FROM (YYYYMMDD) 2012 / 12 / 24						
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER RL14788				b. PHASE				b. TO (YYYYMMDD) 2013 / 01 / 27						
c. TYPE CPAF				d. SHARE RATIO				c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																		
ITEM (1)	CURRENT PERIOD						CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION			
	BUDGETED COST		ACTUAL COST	VARIANCE			BUDGETED COST		ACTUAL COST	VARIANCE			COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)								
<b>30A - Project Services &amp; Support</b>																		
011.A - Proj Services & Support	0	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	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	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	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	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	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	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>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	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	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	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	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	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>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	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	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)	
013.A2 - PSD R&RP	0	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	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	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	0	854	854	604	0	250	0	0	0	854	604	250	
042.A2 - PSD R&RP	0	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>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	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	0	22	22	22	0	0	0	0	0	22	22	0	
013.A3 - PSD WFR	0	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	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	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>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 - Envir Prog & Strategic Planning	432	432	396	0	36	0	38,692	38,692	35,455	0	3,237	0	0	0	79,989	76,543	3,446	
	<b>432</b>	<b>432</b>	<b>396</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>38,692</b>	<b>38,692</b>	<b>35,455</b>	<b>0</b>	<b>3,237</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79,989</b>	<b>76,543</b>	<b>3,446</b>	
<b>35 - Business Services</b>																		
012.3 - Transition (PTB)	0	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	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>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	0	1,818	1,818	1,220	0	599	0	0	0	1,818	1,220	599	
012.7W - PRC WFR	0	0	0	0	0	0	1,363	1,363	776	0	587	0	0	0	1,363	776	587	
013.7W - PRC WFR	0	0	0	0	0	0	1,702	1,702	1,172	0	529	0	0	0	1,702	1,172	529	
030.7W - PRC WFR	0	0	0	0	0	0	1,705	1,705	868	0	837	0	0	0	1,705	868	837	
040.7W - PRC WFR	0	0	0	0	0	0	224	224	150	0	74	0	0	0	224	150	74	
041.7W - PRC WFR	0	0	0	0	0	0	337	337	188	0	149	0	0	0	337	188	149	
042.7W - PRC WFR	0	0	0	0	0	0	33	33	19	0	14	0	0	0	33	19	14	
	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,182</b>	<b>7,182</b>	<b>4,393</b>	<b>0</b>	<b>2,789</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7,182</b>	<b>4,393</b>	<b>2,789</b>	
<b>3B - PFP Closure, BOS &amp; Infrastructure</b>																		
011.1 - Plutonium Finishing Plant	9,461	8,813	8,788	(648)	25	0	484,354	475,774	496,439	(8,580)	(20,665)	0	0	0	855,396	925,857	(70,461)	
	<b>9,461</b>	<b>8,813</b>	<b>8,788</b>	<b>(648)</b>	<b>25</b>	<b>0</b>	<b>484,354</b>	<b>475,774</b>	<b>496,439</b>	<b>(8,580)</b>	<b>(20,665)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>855,396</b>	<b>925,857</b>	<b>(70,461)</b>	
<b>3C - W&amp;FMP/D&amp;D Project</b>																		
012.1 - 100 K Area Project	2,583	2,583	2,082	0	501	0	124,589	124,589	124,298	0	291	0	0	0	252,176	260,126	(7,950)	
012.2 - Sludge Treatment Project	3,415	1,864	2,512	(1,551)	(648)	0	175,725	168,554	169,174	(7,171)	(620)	0	0	0	299,987	318,905	(18,918)	
013.1 - Waste Management	7,277	7,422	6,570	145	852	0	622,906	622,643	611,658	(263)	10,985	0	0	0	1,237,476	1,220,066	17,420	
040.1 - PRC D&D	0	0	0	(267)	0	0	191,549	191,549	187,729	(0)	3,820	0	0	0	225,176	221,467	3,710	
040.2 - D&D Fac Waste Site Remediation	0	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	1,243	633	473	(610)	160	0	242,932	244,200	233,954	1,268	10,246	0	0	0	414,602	407,113	7,489	
042.1 - FFFF	169	169	132	0	37	0	12,844	12,844	11,058	0	1,786	0	0	0	24,906	22,884	2,021	
040.3 - PRC Fac & Waste Site Maint	948	957	725	9	232	0	37,476	37,447	34,682	(29)	2,765	0	0	0	102,643	98,842	3,801	
	<b>15,635</b>	<b>13,628</b>	<b>12,227</b>	<b>(2,007)</b>	<b>1,401</b>	<b>0</b>	<b>1,475,615</b>	<b>1,469,420</b>	<b>1,432,676</b>	<b>(6,195)</b>	<b>36,744</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,646,404</b>	<b>2,631,360</b>	<b>15,043</b>	
<b>3D - Soil &amp; Groundwater Remediation</b>																		
030.1 - Soil & GW Remediation	8,865	8,090	5,877	(775)	2,213	0	427,738	427,795	406,742	57	21,053	0	0	0	1,041,291	1,014,676	26,615	
	<b>8,865</b>	<b>8,090</b>	<b>5,877</b>	<b>(775)</b>	<b>2,213</b>	<b>0</b>	<b>427,738</b>	<b>427,795</b>	<b>406,742</b>	<b>57</b>	<b>21,053</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,041,291</b>	<b>1,014,676</b>	<b>26,615</b>	
<b>3F - Engineering, Projects &amp; Construction</b>																		
030.3 - EPC - Groundwater	0	0	210	0	(210)	0	273,050	273,050	293,171	0	(20,121)	0	0	0	273,050	293,768	(20,719)	
	<b>0</b>	<b>0</b>	<b>210</b>	<b>0</b>	<b>(210)</b>	<b>0</b>	<b>273,050</b>	<b>273,050</b>	<b>293,171</b>	<b>0</b>	<b>(20,121)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>273,050</b>	<b>293,768</b>	<b>(20,719)</b>	
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
d. Undist. Budget	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
e. Sub Total	<b>34,393</b>	<b>30,963</b>	<b>27,497</b>	<b>(3,430)</b>	<b>3,466</b>	<b>0</b>	<b>3,168,339</b>	<b>3,153,622</b>	<b>3,109,191</b>	<b>(14,717)</b>	<b>44,431</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,365,020</b>	<b>5,386,913</b>	<b>(21,8</b>	

FORMAT 3, DD FORM 2734/3, BASELINE

January 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 b. LOCATION: Richland, WA			2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009			4. REPORT PERIOD a. FROM: 2012/12/24 b. TO: 2013/01/27																
5. CONTRACT DATA																										
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,138,734		c. CURRENT NEGOTIATED COST (A + B) \$5,451,101		d. ESTIMATED COST AUTH UNPRICED WORK 0		e. CONTRACT BUDGET BASE (C + D) \$5,451,101		f. TOTAL ALLOCATED BUDGET \$5,451,101		g. DIFFERENCE (E - F) \$0													
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																										
ITEM  (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		SIX MONTH FORECAST						FY09 (10)		FY10 (11)		FY11 (12)		FY12 (13)		OUT YEARS (14)		UNDISTRIB BUDGET (15)		TOTAL BUDGET (16)	
							+1 Feb-12 (4)	+2 Mar-12 (5)	+3 Apr-12 (6)	+4 May-13 (7)	+5 Jun-13 (8)	+6 Jul-13 (9)														
a. PM BASELINE (BEGIN OF PERIOD)			1,811,630	31,155	32,120	32,696	33,148	40,845	30,206	29,386	653,426	960,017	1,002,105	428,688	2,319,832	0	5,364,068									
b. BASELINE CHANGES AUTH DURING REPORT PERIOD AWA-030-13-004R0 - Special Authorization for Work Related to BC-5 BCR-030-13-006R0 - Alignment of Geophysical Logging per Contract Mod 249															641 312		641 312									
c. PM BASELINE (END OF PERIOD)			1,846,023	34,393	32,136	32,713	33,164	40,952	30,346	29,393	653,426	960,017	1,002,105	428,688	2,320,784	0	5,365,020									
7. MANAGEMENT RESERVE															86,081											
8. TOTAL															5,451,101											

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 4 - STAFFING

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 (YYYYMMDD)</b> 2012 / 12 / 24	
<b>b. LOCATION (Address and ZIP Code)</b> Richland, WA				<b>b. NUMBER</b> RL14788				<b>b. PHASE</b>				<b>b. TO (YYYYMMDD)</b> 2013 / 01 / 27	
<b>c. TYPE</b> CPAF		<b>d. SHARE RATIO</b>		<b>c. EVMS ACCEPTANCE</b> 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	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)								AT COMPLETION		
			SIX MONTH FORECAST						SPECIFIED PERIODS		REM FY13	FY14-18	(15)
			+1 Feb	+2 Mar	+3 Apr	+4 May	+5 Jun	+6 Jul	(12)	(13)			
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	(13)	(15)		
<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	565	7	7	7	7	7	7	7	14	423	1,044	
	<b>7</b>	<b>565</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>7</b>	<b>14</b>	<b>423</b>	<b>1,044</b>	
<b>32 - Safety, Health, Security &amp; Quality</b>													
000.2 - Safety, Health, Security/Quality	59	4,784	62	62	62	62	62	62	62	123	2,889	8,166	
	<b>59</b>	<b>4,784</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>123</b>	<b>2,889</b>	<b>8,166</b>	
<b>34 - Environmental Prog &amp; Strategic Planning</b>													
000.4 - Environmental Prog & Strategic Planning	19	1,074	19	19	18	18	18	19	37	957		2,180	
030.2 - Envr Prog & Strategic Planning	18	1,502	18	17	22	14	23	19	32	1,696		3,343	
	<b>37</b>	<b>2,576</b>	<b>37</b>	<b>36</b>	<b>40</b>	<b>32</b>	<b>41</b>	<b>37</b>	<b>69</b>	<b>2,653</b>		<b>5,523</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	78	4,961	77	77	76	76	76	76	152	4,924		10,494	
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>78</b>	<b>6,603</b>	<b>77</b>	<b>77</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>76</b>	<b>152</b>	<b>4,924</b>		<b>12,135</b>	
<b>36 - Prime Contract &amp; Project Integration</b>													
000.7 - Contract and Baseline Management	34	2,019	36	36	36	36	36	36	74	2,313		4,622	
000.9 - Chief Information Officer	9	650	11	11	11	11	11	11	21	595		1,331	
	<b>43</b>	<b>2,668</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>47</b>	<b>95</b>	<b>2,908</b>		<b>5,952</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	464	28,796	463	483	486	475	488	489	991	13,925		46,598	
	<b>464</b>	<b>28,796</b>	<b>463</b>	<b>483</b>	<b>486</b>	<b>475</b>	<b>488</b>	<b>489</b>	<b>991</b>	<b>13,925</b>		<b>46,598</b>	
<b>3C - W&amp;FMP/D&amp;D Project</b>													
012.1 - 100 K Area Project	107	6,862	103	103	104	104	104	104	208	4,587		12,278	
012.2 - Sludge Treatment Project	96	6,040	88	87	87	86	89	182	3,460			10,206	
013.1 - Waste Management	305	32,356	296	295	294	294	297	309	628	22,333		57,101	
040.1 - PRC D&D	0	7,528	0	0	0	0	0	0	0	1,227		8,757	
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	487		1,828	
040.3 - PRC Fac & Waste Site Maint	36	2,244	37	38	38	39	38	38	75	2,324		4,868	
041.1 - River Zone	20	6,880	24	22	22	22	22	43	4,365			11,420	
042.1 - FFTF	6	602	5	5	5	5	5	10	413			1,056	
	<b>569</b>	<b>63,853</b>	<b>552</b>	<b>550</b>	<b>549</b>	<b>549</b>	<b>552</b>	<b>567</b>	<b>1,146</b>	<b>39,197</b>		<b>107,515</b>	
<b>3D - Soil &amp; Groundwater Remediation</b>													
030.1 - Soil & GW Remediation	232	16,665	247	274	277	271	295	289	537	18,025		36,881	
	<b>232</b>	<b>16,665</b>	<b>247</b>	<b>274</b>	<b>277</b>	<b>271</b>	<b>295</b>	<b>289</b>	<b>537</b>	<b>18,025</b>		<b>36,881</b>	
<b>3F - Engineering, Projects &amp; Construction</b>													
000.F - Eng/Procurement & Construction	13	1,270	13	13	14	14	14	14	28	766		2,145	
030.3 - EPC - Groundwater	4	3,623	4	3	3	3	3	3	5	0		3,646	
	<b>17</b>	<b>4,893</b>	<b>18</b>	<b>16</b>	<b>17</b>	<b>16</b>	<b>17</b>	<b>17</b>	<b>33</b>	<b>766</b>		<b>5,791</b>	
<b>Grand Totals:</b>	<b>1,504</b>	<b>131,405</b>	<b>1,509</b>	<b>1,552</b>	<b>1,560</b>	<b>1,536</b>	<b>1,585</b>	<b>1,590</b>	<b>3,160</b>	<b>85,710</b>		<b>229,608</b>	



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

**Corrective Action:**

**Current Period Schedule:** For PBS RL-11, see CTD Schedule. For RL-0012, Design changes are being prioritized to minimize impacts to schedule. Procurements are being prioritized to recover schedule variance and minimize impacts to overall schedule. No other corrective actions are required.

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

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

1. Overtime will be used whenever possible to recover schedule slippage, resulting from reassigned MT glovebox team, supporting issues associated with chemical mitigation. The emergent chemical mitigation efforts are still being evaluated. Actions and estimated time for schedule recovery will be established in the next accounting period. Status: PFP management is investigating the cost/benefit of assigning an additional field work team to the added chemical mitigation work scope (ECD Feb 2013). 2. Effective 12/24/12, PFP changed from 8x9 to a 5x8 work schedule. This will provide an extra entry each week (one extra shift every other week) – COMPLETE. 3. Manager/Supervisor job listings were posted to hire D&D Field Work Supervisors and Electrical/Maintenance PICs. Status: 1 FWS and 1 PIC hired. (ECD Feb 2013). 4. D&D 242-Z project efficiencies are being investigated that may help to bring back the project completion date. If stakeholders and senior management agree with the new approach, a BCR will be completed to incorporate the plan into the approved baseline. (ECD Feb 2013). 5. Process Vacuum Removal team is looking at the feasibility of removing equipment by area versus system to reduce schedule duration and recover some of the schedule delay. 6. Planning for Room 172 bulk area cleanout to be performed by Operations personnel. No other corrective actions are required.

**CTD Cost:** For RL-30, Cost overruns for the 200 West Pump-and-Treat System are being addressed and additional funding will be identified as required. For RL-41, change requests and REAs are being prepared to address additional soil contamination efforts not priced in the original contract. No other corrective actions are required.

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

Unfavorable schedule performance was primarily in RL-0011, RL-0012, RL-0030, and RL-0041:

Schedule performance in January was primarily attributed to:

- RL-0011 - Delayed PRF work efforts impacted by the failure of the PRF canyon crane, and process vacuum line removal efforts impacted by a management stop work associated with chemical lines. The process vacuum intrusive work activities can be performed once sufficient characterization and analyses are completed.
- RL-0012 - Due to construction contractor, Quality Assurance (QA) Program concerns that led to a QA stand down and stoppage of quality affecting work in early December. Following development and submittal of a corrective Action Plan (CAP) from the construction contractor and CHPRC approval of that CAP, work has restarted in January.
- RL-0030 – Early completion of the NR-2 barrier work that was planned in FY2013, but completed in FY2011 and FY2012. Other activities contributing to the variance are well drilling delays in H and K areas pending decisions on BC-5 wells and chemical procurements for the 200W P&T that were level loaded in the baseline but will occur later in the Fiscal Year.
- RL-0041 - Completion of planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to rephase to 2015.

Cost performance in January was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements and an accrual reversal for Asbestos disposal (FY2012 ARRA scope).

Corrective actions for PFP, RL-0011, include continued use of overtime for specific priority work scope to recover schedule slippage. Overtime will be used whenever possible to recover schedule slippage resulting from reassigned MT glovebox team supporting issues associated with chemical mitigation. The emergent chemical mitigation efforts are still being evaluated. Actions and estimated time for schedule recovery will be established in the next accounting period. Corrective actions for STP, RL-0012, include prioritization of design changes and procurements to recover schedule. No other significant impacts have been identified and 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 (\$21.9) million and - 0.4% 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>\$0.0</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>\$0.0</b>

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

<b>Use of Management Reserve (MR):</b>			
<b>Management Reserve Utilization</b>			
<b>BCR Number</b>	<b>Title</b>	<b>Fiscal Year</b>	<b>MR &amp; PBS</b>
AWA-030-13-004R0	Special Authorization for Work Related to BC-5	2013	-\$312K
<b>\$312K of Management Reserve was utilized in January 2013.</b>			
<p><b>Best/Worst/Most Likely Estimate:</b> 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.</p>			
<b>Prepared by:</b> Project Control Staff	<b>Date:</b> 2/19/2013	<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

**C.M. Kronvall**  
Acting Vice President for  
Engineering, Projects  
and Construction

January 2013  
CHPRC-2013-01, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

**K. G. Tebrugge**  
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	40%
13-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities.	3/28/13	25%
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	35%
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	25%
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	66%
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	10%
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	72%
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	40%
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	0%

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	3	N/A
Near-Misses	0	1	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. As of January, the CHPRC Functional Program organizations continue with no recordable injuries, have accumulated over 1,880,239 person hours worked without a recordable injury (two years and seven months), and over 3,084,268 person hours worked (four years and four months) without a DART case.
  - 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.
    - Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues.
    - Implemented the new Site-wide Respiratory Protection Program.
    - Completed the Development of a GAP Analysis Tool for the Voluntary Protection Program (VPP).
    - Published the VPP Management Plan.
    - Issued the VPP Pocket Guide.
    - Completed the VPP Communication Plan.
    - Submitted three abstracts for VPP National Conference; waiting to receive word that they were accepted
    - Developing technical operating procedures for the Gas Chromatograph Mass Spectrometer (GCMS).
    - Continued support to Plutonium Finishing Plant (PFP) for chemical hazard evaluations on remaining chemical lines.
    - Supported PFP with the development of a Negative Exposure Assessment for Nitric Acid.
    - Participated in the RL Hazard Identification and Control Mentoring Plan with Soil and Groundwater Project being the first CHPRC project to be evaluated.
    - Developing Computer Based Training for Hearing Conservation and Asbestos Awareness.
    - Started planning efforts in support of the Hanford Site Safety Expo.

- o Fire Protection accomplishments:
  - For the month of January 2013, the Fire Protection Engineering Group issued six Fire Marshal Permits, conducted three assessments, and three facility/site surveillances. Additionally, four fire system restrictions/emergency impairments were identified.
- o Emergency Preparedness (EP) accomplishments:
  - Fifteen drills were performed in January, twelve were operational drills.
    - Conducted chelation drill with Mission Support Alliance, LLC and HPMC.
  - Submitted Cold Vacuum Drying Facility Emergency Planning Hazards Assessment to RL for retirement.
  - Completed CHPRC EP Program Management Self-Assessment.
- o Radiological Control accomplishments:
  - Completed annual dosimetry exchange process.
  - Continued to support site-wide Radiological Control committees.
  - Initiated company level effort to improve radiological survey process for heavy equipment and leased/rented equipment.
  - Provided support to K Basin personnel for troubleshooting issues associated with Personnel Contamination Monitors (PCMs).
  - Provided support for EP Drill program.
- o Operations Program accomplishments:
  - Completed efforts to support DOE-0359, *Hanford Site Electrical Safety Program (HSESP)*, becoming effective on February 1, 2013 including issuance of PRC-MD-SH-40529, *Implementation of DOE-0359 Hanford Site Electrical Safety Program*.
  - Continued development of a revision to PRC-PRO-WKM-12115, *Work Management*, incorporating feedback from project input as well as results from assessment and review activities.
  - Continued work with Conduct of Operations Champions Team on updates to PRC-PRO-WKM-14047 along with related changes to Pre-Job Briefing Checklist and Post-Job review form.
  - Received updated notice that the calibration contract, shifted from Energy Northwest to a Redmond based company called Micro Precision Instruments, is again delayed until March 1, 2013.
  - Conduct of Operations Champions Team working common issues documented during Nuclear Safety and Performance Evaluation Board reviews and outlining a strategy with respect to an oversight function for Level 1 and 2 procedure changes.
- o Nuclear Safety deliverables prepared and transmitted to RL in January include:
  - Documented Safety Analysis:
    - Letter, CHPRC-1300162, dated January 24, 2013, *CHPRC Submittal of Annual Update to Plutonium Finishing Plant Authorization Agreement*.
    - Letter, CHPRC-1205258A R1, dated January 25, 2013, *Evaluation of the Corrective Actions to Enhance Safety Basis Configuration Control*.
    - Letter, CHPRC-1300029, dated January 28, *Transmittal of the 2013 Annual Update of the Fast Flux Test Facility Safety Basis and Unreviewed Safety Question Determination Summary*.

- Nuclear Safety deliverables received from RL in January include:
  - Letter, 13-SED-0023, dated January 3, 2013, *Transmittal of New Hazard Categorization for the Cold Vacuum Drying Facility (CVDF) and Request to Terminate the Existing Safety Basis.*
  - Letter, 13-SED-00025, dated January 10, 2013, *Transmittal of the Annual Update to the B Plant Documented Safety Analysis (DSA), HNF-14804 Revision 4, and the Unreviewed Safety Question (USQ) Determination Summary.*
- o Performance Assurance/Quality Assurance accomplishments:
  - Submitted Integrated Safety Management System (ISMS) Declaration letter and supporting documentation to RL.
  - Presented health of the ISMS program at Executive Safety Review Board (ESRB).
  - Completed Management Assessment of ISMS effectiveness, SHS&Q-2013-MA-12865 which included Safety Management Program Key Attributes.
  - Supported planning efforts for Leadership Development.
- o Contractor Oversight, Assurance & Reporting accomplishments:
  - 268 Conditions Reports were screened in January:
    - 1 Significant
    - 4 Adverse
    - 124 Tract Until Fixed (TUF)
    - 46 Trend Only (TO)
    - 83 Opportunity for Improvement (OFI)
    - 10 Screened Out (factually inaccurate, duplicative of existing CRs)
  - The Trend Working Group met in January for its quarterly meeting. Trending information from the projects and the SHS&Q program were presented and discussed for possible commonalities across CHPRC.
  - The Program Corrective Action Review Board (CARB) met to review the apparent cause evaluation report for CR-2012-1810 and CR-2012-1811, regarding 100K Unresolved Safety Question Screenings and Determinations not meeting management's expectations. Members asked clarifying questions for incorporation in the report. Following incorporation of comments, the evaluation report will be distributed for CARB membership review. Final approval will be by Chair review.
  - The CHPRC quarterly Performance Analysis Report First Quarter Fiscal Year 2013 was transmitted to RL.
  - Commenced testing of modification made to the Integrated Evaluation Plan data base using updated test cases files. Continued revision of remaining "test case" files to support testing of the software upgrades by Project/Program user, editor and administrator functions.
  - Commenced the CHPRC Radiation Protection Program 10 CFR 835 triennial assessment of Subparts I and N, Reports to Individuals, and Emergency Exposure Situations (SHS&Q-2013-SURV-10693).
  - Completed a surveillance of CHPRC Implementation of DOE-0342-001, Hanford Site Beryllium Work Permit (BWP) and Hazard Assessment Procedure (SHS&Q-2013-SURV-12858).
  - Selected management assessments were evaluated to provide feedback and to improve future assessment quality.
  - Continued update of the CHPRC Startup Readiness procedures to address comments raised by the Defense Nuclear Facility Safety Board and DOE-Headquarters, incorporate improvements suggested by CHPRC team members and ideas from complex wide lessons

- learned.
  - Prepared a draft revision to PRC-PRO-QA-24741, *Performance Analysis*.
- o Quality Assurance accomplishments:
  - Audit Report MSA-AVS-12-27, *Supplier Audit of CH2M HILL Plateau Remediation Company, Quality Program at Richland, Washington*, was received. While identifying three findings, two observations and three noteworthy practices, the audit determined that CHPRC is satisfactorily implementing the QA Program. None of the findings or observations is considered significant; all have been submitted to the Condition Reporting and Resolution System.
  - Provided technical support to the successful completion of the Effluent Treatment Facility evaporator heat exchanger American Society of Mechanical Engineers code repair.
  - Completed/Submitted the Office of Civilian Radioactive Waste Management (OCRWM) quarterly report.
  - Submitted Form II corrective action plans for the issues identified during the OCRWM headquarters periodic audit.
  - Provided training to all QA staff on commercial grade dedication (CGD) requirements.
  - Provided support to the CHPRC CGD quality improvement team.
  - Provided training on Auditing Methods for Lead Auditors.
- Status of SHS&Q Focus Areas:
  - o **Issue:** Beryllium program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.  
**Status:** Development of Beryllium CAP products. Developing cost estimates for Be characterization process.  
**Action:** Implementing CHPRC actions and supporting site-wide actions per the approved CAP.
  - o **Issue:** Asbestos Employee Concern/Stop Work.  
**Status:** Site wide actions underway. Short and mid-term actions are complete. Anticipate closure of final action in February 2013 to lift stop work.  
**Action:** CHPRC point of contact interfacing with concerned employee to lift stop work.

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

### Environmental Protection

- **Compliance Item Status – Asbestos:**
  - o Arrangements were completed for a second site-wide NESHAPs training course to be held in February 2013.
  - o Supporting development of new D&D Project asbestos removal procedures.
- **Central Waste Complex Box and WRAP Drum Leak Enforcement:** CHPRC and RL proposed to revise the AO to contain 4-6 issues, the balance of the issues would be included in a series of new TPA milestones. Both Ecology and EPA are receptive to this approach. Additional negotiations are in process to refine the details and schedule.

### Environmental Compliance & Quality Assurance (ECQA)

- **Assessments Completed in January**
  - o Environmental Compliance Inspection of Environmental Notifications –One Finding and two OFI's.
  - o Management Observation Program (MOP) was completed; included a field walk down of 200W Injection/Extraction Wells with no issues identified.
- **Assessments in Process**
  - o Environmental Compliance Inspection of Ozone-depleting Substance Criteria is in the planning

- o process and will be completed by March 30, 2013.
- o ECQA Surveillance of the 100KW Qualified Process: Sludge Removal End-Point Criteria is in progress and will be completed by January 30, 2013.
- o Independent Assessment of CERCLA Removal Actions (Purgewater) is in the planning process and will be completed by March 30, 2013.
- o Environmental Compliance Inspection of Toxic Air Permitting is in the planning process and will be completed March 30, 2013.
- **Assessments upcoming this Quarter**
  - o ECI of NEPA & State NEPA
  - o ECI of Spills Management
  - o ECI of EPCRA

## **Business Services**

### **Acquisition Planning**

- Issued CHPRC Subcontracting Plan/Strategy for Option Period.
- Finalizing issues on the Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) Request for Proposal. Receiving and reviewing submitted Expression of Interest from potential bidders.
- Completed determination of CHPRC loaning LANL Super 7A overpack containers. This will potentially save DOE significant costs.

### **Human Resources**

- New Requisitions Posted for January:
  - o Administrative Specialist (Project Controls)
- Status of Open Requisitions:
  - o 6 of the 9 Manager postings at PFP on hold
  - o 1 Fire Protection Engineer Accepted, tentative hire date February 25, 1 declined
  - o 1 Electrical Engineer – In process for offer
  - o 1 Operations Specialist – In process for offer
  - o 1 Industrial Hygienist – Hire date February 4
- New Hires:
  - o 1 Non-Exempt (Secretary)
  - o 1 Bargaining Unit (Temporary Storekeeper)
  - o 3 Exempts (1 Part-Time Scientist, 1 Operations Specialist, 1 Administrative Specialist)

### **Procurement**

- For the month of January 2013, the Procurement group awarded 29 new contracts with a total value of \$1.96M, amended 129 existing contracts with a net reduced total value of (\$2.86M), for a grand total of (\$890K). Additionally, awarded 219 new material Purchase Orders valued at \$660K to support ongoing project objectives.
- At the end of the first 52 months of the PRC, procurement volume has been significant; \$2.02B in contract activity has been recorded with approximately 48.8%, or \$989M, in awards to small businesses. This includes 6,080 contract releases, 14,334 purchase orders, and 211,065 P-Card transactions.
- Results of the Customer survey for the first quarter of FY2013 have been compiled. Feedback was solicited from 129 active customers and 30 responded. The overall satisfaction rating was 97.33% with over 93 percent achieved in all categories and over 100% achieved in two categories. Positive comments were received about support provided by a number of Contract Specialists. Here is an excerpt from one typical response, “All of the different procurement specialists went out of their way to help me learn (not just get my stuff done)”

### Training and Procedures

- Implementation of the CHPRC Procedure System (PPS) will occur on March 4, 2013.
  - January implementation activities included meta data input, initial files transfer preparation, and migration of project and facility libraries.
  - CHPRC company-wide communications releases included banner ads to all employees regarding access to the PPS homepage, new-look project webpages, and access to procedures.

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

In January, Prime Contracts received and processed two (2) contract modifications (numbers 254, and 255) from RL. Correspondence Review received and determined the distribution for 35 incoming letters/documents from RL and the Contract Compliance Manager reviewed 35 outgoing correspondence packages.

- Prime Contracts worked with the Plutonium Finishing Plant Closure (PFP), Soil and Groundwater Remediation (S&GW), and the Decontamination, Waste, Fuels, and Remediation (DWF&R) Projects on the identification and documentation of potential Contract changes. During January formal notifications of change were issued to RL on the following potential Contract changes:
  - *105KE Additional Bore Holes - DWF&R Project*
  - *100-BC-5 TPA Change M-15-12-03 – S&GW Project*
- In addition, a letter was sent requesting RL reconsider their rejection of CHPRC's change notification associated with Incorporation of Irrigation PRGs into River Corridor RI/FS Documents - S&GW Project.
- During January, CHPRC received RL's rejection of our change notification for F039 ETF Powders Disposal - DWF&R Project. CHPRC has evaluated RL's basis for rejecting this notice of change and is generating a letter providing additional information and requesting RL reconsider their decision.
- CHPRC reached agreement with RL on the definitization of Change Orders #186, "105 KW Garnet Filter Media Disposition Pre-conceptual Engineering", and #207, "Change to Handling and Disposition of the 231-Z-DR-11 Mixed Waste Container". After reaching agreement on CO #207, RL elected to pursue an alternative path forward for this container. As such, CO #207 will not be incorporated into the PRC.

The Estimating Support Services group activities for the month are described below.

- DWF&RS Project:
  - *Developed an abbreviated Change Proposal submittal package in support of for CO #207, Change to Handling and Disposition of the 231-Z-DR-11 Mixed Waste Container", for negotiation and definitization as described above.*
- Sludge Treatment Project (STP):
  - *As noted in prior reports, continued to provide review of change orders and estimated cost for design changes associated with the 100K Area Annex construction. Staff estimators developed cost estimates for new / proposed changes, and also estimates that support the review and definitization of change orders submitted by the construction subcontractor, FE&C.*
  - *Continued efforts to develop an updated project cost estimate in support of the planned Critical Decision 2/3 Review of the project by DOE.*
  - *Provided support for negotiations leading to the definitization of CO #186 "105 KW Garnet Filter Media Disposition Pre-conceptual Engineering," which was definitized as described above.*
  - *The estimating group participated in a tour of the Materials and Storage Facility (MASF) to provide familiarization with equipment and processes that area associated with ongoing estimates.*

- PFP Closure Project:
  - *Provided the results of a Gap Analysis review with regard to deactivation and demolition activities.*
  - *Continued work with the project on identification and documentation of the impacts related to potential contract changes.*
- S&GW Project
  - Continued development of an estimate and Change Proposal in response to Change Order #202, *“New ROD for 200-UP-1 RD/RAWP”*
- Safety, Health, Security, & Quality (SHS&Q):
  - Continued to working with SHS&Q on developing a Change Proposal in response to *prospective* Change Order #199, *“OSHA Revised Hazard Communication Standard”*. This prospective change is approved would implement the changes contained in OSHA's revised Hazard Communication Standard.
- Engineering, Procurement and Construction (EPC)
  - Participated in a field walk-down and initiated an estimate for work to be performed associated with a wellhead tie-in between extraction wells in the 200 West Areas. EPC will utilize the estimate in procurement of resources to perform this task.
- Activities associated with Sage/Timberline estimating software and estimating system administration included:
  - Implemented a revision to the CHPRC proposal labor rate file, reflecting a limited number of rate changes that resulted from the removal of on-site corporate resources from the CHPRC labor calculations.
  - Completed Work Site Assessment PC&PI-2013-WSA-12883, Estimate Production. The assessment resulted in no findings and three Opportunities For Improvement (OFI). The OFI, related to ease of use and understanding of document assembly process will be considered for incorporation to the ongoing revision to the estimating guide.
- During January Contract Compliance and Change Management supported the CHPRC Interface Management function by:
  - Working with RL, the MSA, and WRPS to reach agreement on a revision to the Plateau Remediation Contract (PRC) J.3, Hanford Site Services and Interface Requirements Matrix.
  - Working with the MSA to reach agreement on proposed updates to the PRC J.13, *Hanford Site Structures List*, and J.14, *Hanford Waste Site Assignment List*.
  - Reviewing and commenting on a proposed new Administrative Interface Agreement *between* WRPS and CHPRC on the demarcation points and roles and responsibilities for surplus steam lines in the 200 East and 200 West Areas.
- Supported RL on post 2015 scope, schedule and budget formulation
- Continued performing self-assessments centered around EVMS compliance.

#### **Engineering, Projects and Construction (EPC)**

- The majority of the Federal Engineers and Constructors (FE&C's) craft were back to work on the KW Annex construction by the end of January. FE&C QA corrective actions were completed, allowing staff to return to field activities.
- Combustible and hazardous material inventory removal from the 105KE facility is complete. Current 105-KE Interim Safe Storage (ISS) Project activities have been completed. The Reactor building will be in interim surveillance pending future release of funding for ISS resumption.



- The Engineered Container Retrieval and Transfer System (ECRTS) Constructability Review was initiated on January 22, 2013.
- Central Engineering (CE) is assisting the STP ECRTS Project with the completion of STP logic and control system validation on the Retrieval/Transfer System Control Panel (ECRT-PNL-201) due to the addition of smart relays. Smart relays are replacing conventional relays to reduce wire counts/routing during construction.
- Central Engineering (CE) staff met with the Engineered Container Retrieval and Transfer System (ECRTS) Project Manager and Project Chief Engineer to develop plans for the final design and Safety documentation alignment review. The review kick-off meeting was held February 11, 2013.
- CE met with the STP project engineering and the design agent (AREVA/Meier) to resolve structural issues and design changes (DCNs) for the KW Annex building design and construction.
- CE completed the design checking of the Solid Waste Operation, General Purpose Burial Box Over-pack (IP-1 container) for housing and transporting the 231-ZD-R11 Concrete Waste Container.
- CE issued a new General Welding Specification entitled Visual Weld Inspection – Performance and Documentation (HNF-54260). This document (part of the CHPRC Welding Manual) consolidates program requirements formerly maintained separately by multiple Hanford contractors, making for a more efficient and cost effective practice (single-source service) which is in line with our customer expectations. MSA and WRPS QA personnel contributed to this effort.
- CE continued to provide technical and Buyers Technical Representative support to the DWF&RS Effluent Treatment Facility (ETF) for the repairs being made to the process Heat Exchanger. Welding was completed; final testing and labeling were completed in early February.
- CE assisted the 200W P&T in resolving issues with Nationally Recognized Testing Laboratory (NRTL) and Underwriters Laboratory 508A issues. The Instrument & Control Design Authority specified cable for the project and requested CE verify the cable's NRTL prior to procurement and the project wanted Authority Having Jurisdiction direction on the UL 508A certification requirements in specifying an enclosure containing a single relay. The cable NRTL met PRC-PRO-EN-40447 requirements and the enclosure was not within UL 508A certification scope, per the AHJ.
- CE continued to facilitate transfer of aged HEPA filters for use in a non-safety application.
- CE is reviewing a list of QL-0 procurements of electrical equipment for NRTL applicability and acceptability. This is an action item that is required to close out CR-2012-2066.
- CE revised the SOW for National Electric Code Inspection Services to define a process for performing and documenting inspection approvals, including approval via telecom and email. This addressed an observation from a recent Nuclear Safety Performance Evaluation Board review of quality related work and enable close-out of CR-2012-3419.



- EPC is finalizing the contents of a Statement of Work for a small business Construction Contract. The Request for Proposal is expected to be issued in February.

## **Communications**

### **Internal**

- Produced two episodes of InSite featuring decision document Tri Party Agreement milestone progress, Earned Value Management System surveillance compliance, Technical Publications, parking lot safety, and community events.
- Produced four issues of the Weekly Update, including manager blogs from CHPRC President John Fulton, Prime Contract and Project Integration Vice President Rick Millikin, Chief Legal Counsel Stan Bensussen, and Vice President of Business Services Vicki Bogenberger.

### **Media**

- Issued a press release announcing that CH2M Hill was named one of FORTUNE's 100 Best Places to Work for the sixth year.
- Supported DOE with tours from Tokyo Electric Power Company (TEPCO) officials.
- CHPRC's announcement for the subcontracting strategy for the next five-year option period was featured by various media outlets including the Tri-City Herald and Engineering News-Record, and Weapons Complex Monitor.
- Supported response to queries regarding workers checked for radioactive exposures at the Plutonium Finishing Plant.

### **Public Involvement**

- Drafted CHPRC's input to RL's Agency Update presentation for the Hanford Advisory Board's February meeting. The presentation featured information on the status of groundwater cleanup, 100-KW Annex Modification, 100-K Area Found Fuel, and the Plutonium Finishing Plant.
- Developed a presentation on the 300 Area Proposed Plan for the February Hanford Advisory Board River and Plateau committee meeting. Also supported RL's discussions with stakeholders about the public involvement process for the proposed plan, which is slated for public release this spring.

## 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)	-4.6%
Safety, Health, Security and Quality	1.3	1.3	1.3	0.0	0.0%	0.0	1.7%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-6.9%
Business Services	1.8	1.8	2.0	0.0	0.0%	(0.1)	-5.8%
Prime Contract and Project Integration	1.7	1.7	1.5	0.0	0.0%	0.2	13.1%
Engineering, Projects and Construction	0.3	0.3	0.3	0.0	0.0%	0.1	22.4%
<b>Indirect WBS 000 Total</b>	<b>5.6</b>	<b>5.6</b>	<b>5.4</b>	<b>0.0</b>	<b>0.0%</b>	<b>0.2</b>	<b>3.4%</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: (+\$0.2M/+3.4%)**

Variance is within reporting thresholds.

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

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Communications	0.3	0.3	0.3	0.0	0.0%	(0.0)	-3.4%	1.0
Safety, Health, Security and Quality	5.0	5.0	4.9	0.0	0.0%	0.1	1.6%	15.7
Environmental Program and Strategic Planning	1.2	1.2	1.3	0.0	0.0%	(0.1)	-8.6%	3.9
Business Services	6.9	6.9	7.0	0.0	0.0%	(0.1)	-0.8%	21.8
Prime Contract and Project Integration	6.4	6.4	6.1	0.0	0.0%	0.3	4.7%	21.3
Engineering, Projects and Construction	1.2	1.2	1.1	0.0	0.0%	0.1	12.3%	3.9
<b>Indirect WBS 000 Total</b>	<b>21.0</b>	<b>21.0</b>	<b>20.1</b>	<b>0.0</b>	<b>0.0%</b>	<b>0.4</b>	<b>1.7%</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: (+\$0.4M/+1.7%)**

Variance is within reporting thresholds.

### Baseline Change Requests

None currently identified.

