CH2MHILL
Plateau Remediation Company

Monthly Performance Report

J. C. Fulton
President and Chief Executive Officer

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

February 2013

CHPRC-2013-02, Rev. 0

CONTENTS

PROJECT BASELINE SUMMARY SECTIONS

APPENDICES

EXECUTIVE SUMMARY

- Removal of plutonium-contaminated process equipment continued at the Plutonium Finishing Plant (PFP), with a particular focus on removing gloveboxes and associated piping and ductwork. Two gloveboxes were dispositioned and ten feet of Process Transfer Line was completed. Canyon entries to replace the crane hoist limit switch were completed and the crane was returned to service.
- Soil and Groundwater Remediation Project Pump-and-Treat (P&T) Operations continued with 143.3M gallons of groundwater treated in February.
- At the K East Reactor, CHPRC completed its current scope for preparing the reactor for eventual interim safe storage; work to cocoon the reactor is about 60 percent complete. Nearby at the K West Reactor basin, CHPRC performed sludge depth measurements and is working to determine that the existing process provided reasonable assurance of the absence of known found fuel.
- At the Cold Vacuum Drying Facility (CVDF), CHPRC achieved a major project milestone with EPA and RL agreement to transition the CVDF to a CERCLA regulatory basis. This will allow much more flexibility in managing future work in the facility. This decision will be ratified at the next Tri-Party Agreement (TPA) project managers meeting.
- CHPRC restarted processing waste water through the Effluent Treatment Facility (ETF). More than one million gallons of Basin 43 waste water was processed toward the FY2013 Key Performance Goal of 7 million gallons.
- CHPRC issued pocket guides and activities to help prepare workers for the upcoming Voluntary Protection Program (VPP) assessment. Project self-assessments are currently in progress to ensure project teams are ready to demonstrate their knowledge and implementation of the program.
- The Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) project was recognized for first place poster in the Low-Level Waste and Mixed Waste track at the Waste Management Conference in Phoenix, AZ. The poster highlighted cost savings and efficiencies at the annual event where industry experts share lessons learned.

The exterior of the K East Reactor

A poster highlighting DWF&RS cost savings and efficiencies received first place at the 2013 Waste Management Conference

Focus on Safety

- The President's Zero Accident Council (PZAC) meeting for February 2013 was hosted by the Decommissioning, Waste, Fuels & Remediation Services Project using a clever valentine theme. The three main ideas for the meeting were:
  - o Heart Health
  - o Respirator Quality
  - o Printer Optimization

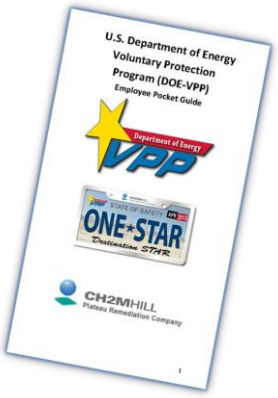
The PZAC presentation began with a unique emphasis on the Voluntary Protection Program (VPP) as each topic was introduced with a VPP tenant and sub-element. This innovative communication approach demonstrated how VPP is integrated into daily CHPRC activities and processes. The VPP tenants and sub-elements featured in PZAC are shown in the following table.

VPP TENET	VPP SUB-ELEMENT
Management Leadership	• Visible Management Involvement • Management Commitment
Employee Involvement	• Develop Awareness and Train Others • Employee Ideas and Recognition • Encouraged to Participate
Worksite Analysis	• Employee Inspection Results • Accident Investigations • Evaluating Events and Issues • Trend Analysis
Hazard Prevention and Control	• Reinforce Safe Work Practices • Controls Incorporated Into Procedures
Safety and Health Training	• Opportunities to Obtain Additional Training

Highlighted PZAC moments in February included an education briefing on Heart Health by a representative of the site occupational medical provider. The presentation gave specific examples of how to prevent cardiovascular disease by giving your heart and body some love. The CHPRC Respiratory Protection Program Administrator breathed life into the crowd when she recognized them for excellent performance. In 2012, CHPRC issued over 29,000 respirators but experienced a failure rate of less than half a percent and the vast majority of the problems were discovered during the respiratory equipment pre-use inspection. Without losing a beat, an update was given on procedure system improvements that simplified the process and reduced administrative burdens. CHPRC's passion for environmental responsibility was evident in a presentation regarding printer optimization. The discussion demonstrated that using network printers, which use less energy than stand-alone personal printers, are capable of two-sided printing, require less supplies, service, are greener, smarter, and cheaper. CHPRC President and CEO John Fulton admitted the presentation pierced him like Cupid's arrow and vowed to discard his personal printer and challenged the audience to do the same. An injury report and a review of CHPRC's injury and illness performance inspired the audience to continue striving for a million hours without a recordable injury. Stretch

and Flex, a message on the VPP tenant of Management Leadership, and Good News Stories completed an exceptional and warmhearted meeting.

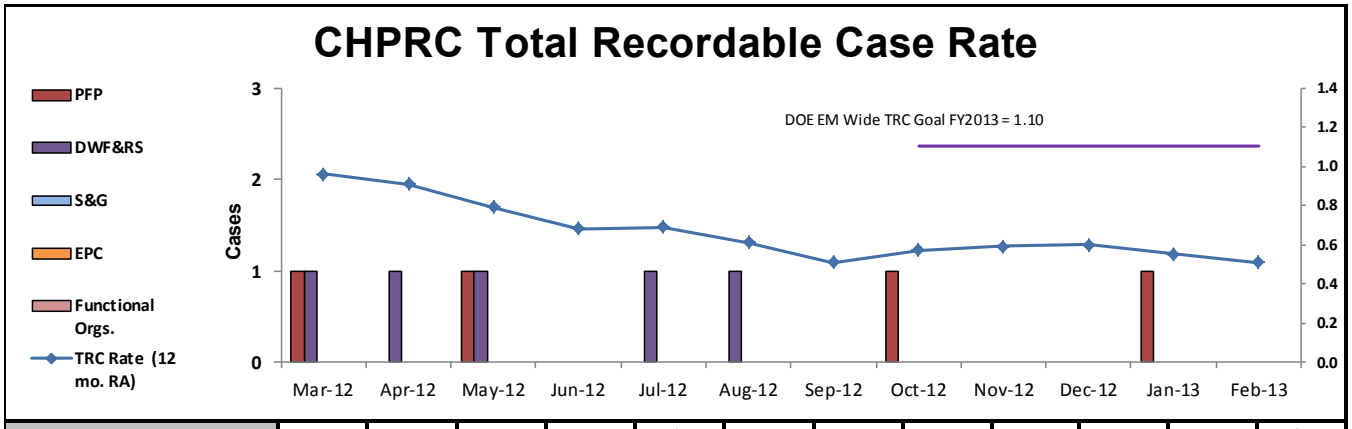
- One Special Safety Bulletin on the use of proper Lockout/Tagout Devices and four "*Thinking Target Zero*" bulletins were published in February to convey important environmental and occupational safety and health messages:
  - Environmentally Preferable Products
  - VPP Focus
  - Four Essentials of the Environmental Management System
  - Staying Fit



- The *Weekly Safety Tailgate* briefing packages for February communicated relevant topics and safety information to the workforce:
  - 2012 Respiratory Equipment Data
  - Norovirus Precautions
  - OSHA 300A Summary
  - CHPRC VPP Pocket Guide Update
  - Personnel Observation Program
  - Pre-Job Briefings
  - DWF&RS Milestone: 3 Million Hours Without a Lost Work Day!
  - Cultural Sensitivity
  - ISO 14001
  - Safety Focus After the President's Day Holiday
  - Weekly Staples: Injury/Illness Summaries, Close Calls, and the VPP Weekly Spotlight
- The VPP communication campaign is in full swing. Each employee received a VPP Employee Pocket Guide that provided vital information and included interactive activities. One of the activities, VPP BINGO, will reward the first 50 employees who get numbers that line up for a BINGO and answer corresponding VPP questions. To date, 28 employees have excitedly proclaimed "BINGO!"

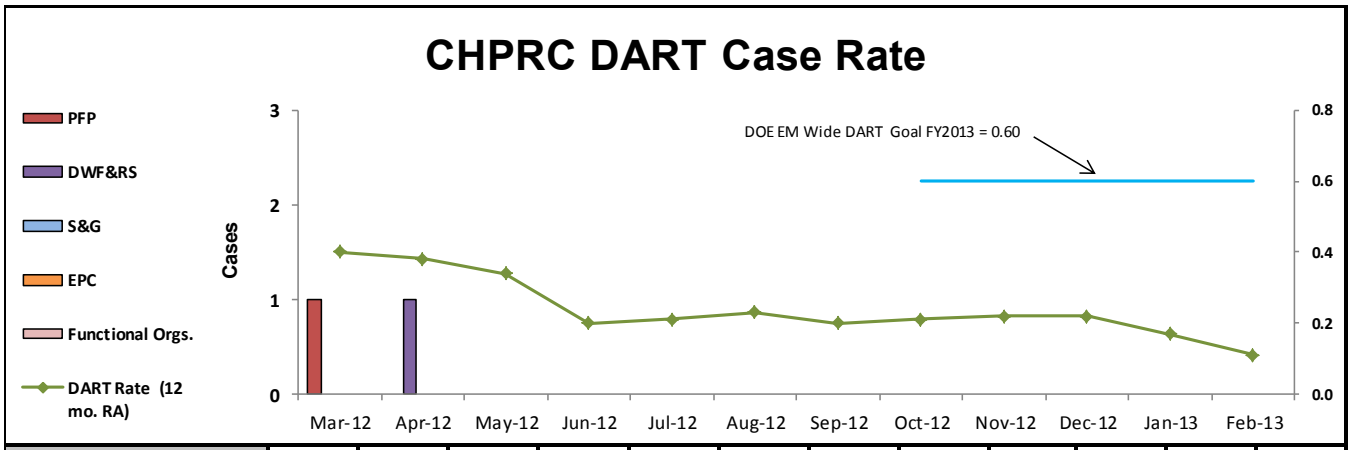
TARGET ZERO PERFORMANCE
February 2013

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



	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13
PFP	1	0	1	0	0	0	0	1	0	0	1	0
DWF&RS	1	1	1	0	1	1	0	0	0	0	0	0
S&G	0	0	0	0	0	0	0	0	0	0	0	0
EPC	0	0	0	0	0	0	0	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
Recordable Cases	**2**	**1**	**2**	**0**	**1**	**1**	**0**	**1**	**0**	**0**	**1**	**0**
TRC Rate (12 mo. RA)	**0.96**	**0.91**	**0.79**	**0.68**	**0.69**	**0.61**	**0.51**	**0.57**	**0.59**	**0.60**	**0.55**	**0.51**

Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.51 is based upon a total of nine recordable injuries. There were no Recordable cases in February 2013. To date hours since last Recordable Case = 416,099.



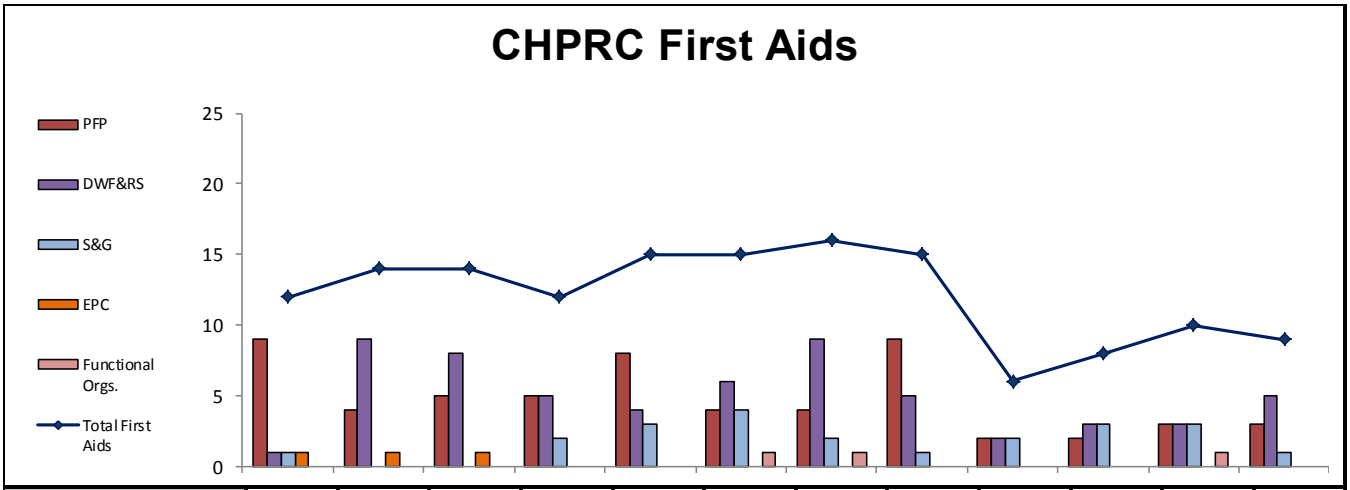
	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13
PFP	1	0	0	0	0	0	0	0	0	0	0	0
DWF&RS	0	1	0	0	0	0	0	0	0	0	0	0
S&G	0	0	0	0	0	0	0	0	0	0	0	0
EPC	0	0	0	0	0	0	0	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
DART Cases	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
DART Rate (12 mo. RA)	**0.40**	**0.38**	**0.34**	**0.20**	**0.21**	**0.23**	**0.20**	**0.21**	**0.22**	**0.22**	**0.17**	**0.11**

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.11 is based upon a total of two cases (1 Restricted, 1 Days Away Case). There

were no DART cases for February. There are no cases currently under review. To date hours since last DART Case = 2,986,350.

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.



	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13
PFP	9	4	5	5	8	4	4	9	2	2	3	3
DWF&RS	1	9	8	5	4	6	9	5	2	3	3	5
S&G	1	0	0	2	3	4	2	1	2	3	3	1
EPC	1	1	1	0	0	0	0	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	1	1	0	0	0	1	0
Total First Aids	**12**	**14**	**14**	**12**	**15**	**15**	**16**	**15**	**6**	**8**	**10**	**9**

First Aid Case Summary – CHPRC reported nine first-aid cases in February 2013. The biggest contributors were five sprains / strains / pains from awkward positions or overexertion, one contusion, one laceration, one potential chemical exposure, and one foreign body in the eye.

KEY ACCOMPLISHMENTS

Projects

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

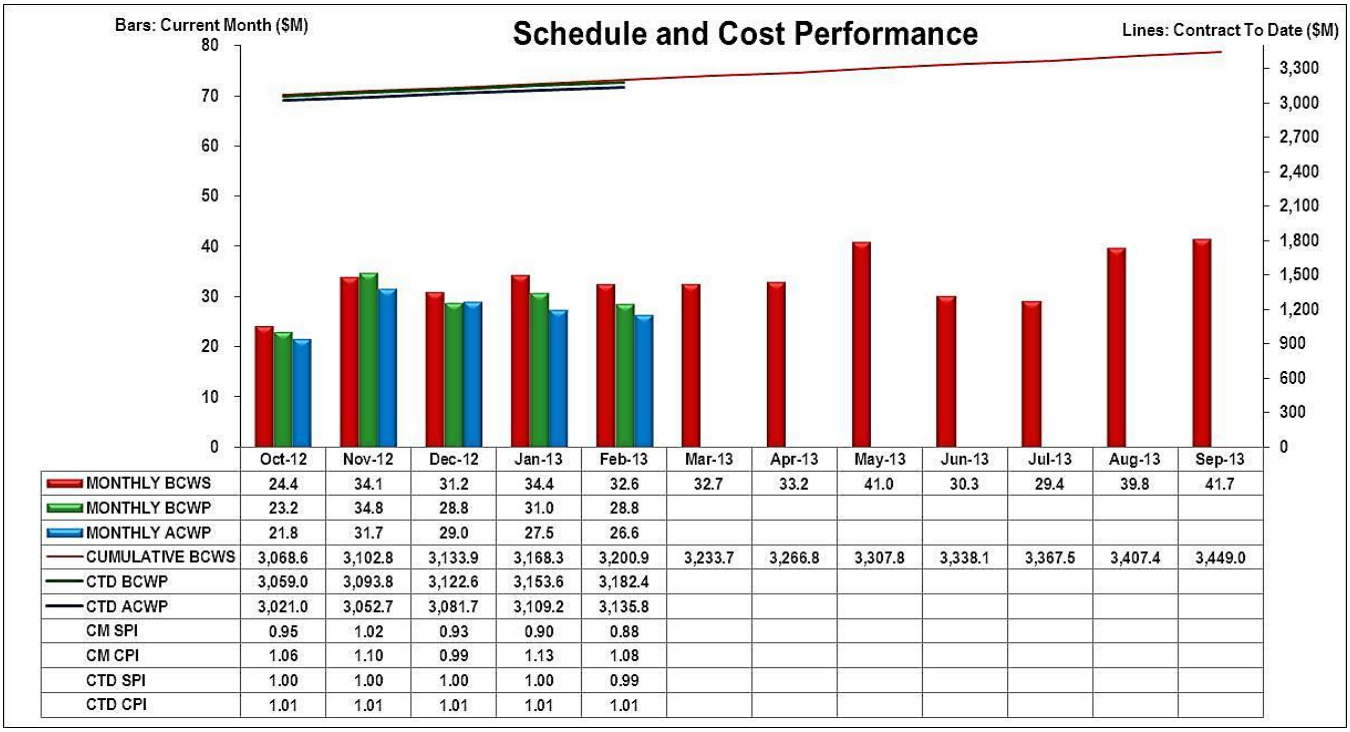
Project Services and Support

- 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



	Oct-12	Nov-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13
MONTHLY BCWS	24.4	34.1	31.2	34.4	32.6	32.7	33.2	41.0	30.3	29.4	39.8	41.7
MONTHLY BCWP	23.2	34.8	28.8	31.0	28.8							
MONTHLY ACWP	21.8	31.7	29.0	27.5	26.6							
CUMULATIVE BCWS	3,068.6	3,102.8	3,133.9	3,168.3	3,200.9	3,233.7	3,266.8	3,307.8	3,338.1	3,367.5	3,407.4	3,449.0
CTD BCWP	3,059.0	3,093.8	3,122.6	3,153.6	3,182.4							
CTD ACWP	3,021.0	3,052.7	3,081.7	3,109.2	3,135.8							
CM SPI	0.95	1.02	0.93	0.90	0.88							
CM CPI	1.06	1.10	0.99	1.13	1.08							
CTD SPI	1.00	1.00	1.00	1.00	0.99							
CTD CPI	1.01	1.01	1.01	1.01	1.01							

	$M Current Period					$M Contract to Date					$M Contract Period		
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	9.4	7.6	8.1	(1.8)	(0.5)	578.6	568.2	582.0	(10.3)	(13.7)	940.3	1,003.6	(63.4)
RL-0012 - SNF Stabilization & Disposition	5.3	4.6	5.2	(0.7)	(0.6)	359.4	351.5	351.7	(7.9)	(0.2)	605.9	633.0	(27.1)
RL-0013 - Solid Waste Stab & Disposition	6.8	6.8	5.8	(0.1)	0.9	736.4	736.0	724.4	(0.3)	11.6	1,344.1	1,329.1	15.0
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.9	8.2	6.2	(0.6)	2.0	846.0	845.4	845.6	(0.6)	(0.2)	1,492.5	1,488.3	4.2
RL-0040 - Nuc Fac D&D - Remainder	0.9	0.9	0.7	0.0	0.2	369.0	369.0	341.6	(0.0)	27.4	488.7	461.3	27.5
RL-0041 - Nuc Fac D&D - RC Closure Project	1.2	0.5	0.3	(0.7)	0.2	297.0	297.6	277.8	0.6	19.9	467.5	449.9	17.6
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1	14.6	14.6	12.7	0.0	1.9	26.5	24.4	2.1
(Numbers are rounded to the nearest $0.1M) Total	32.6	28.8	26.6	(3.9)	2.2	3,201.0	3,182.4	3,135.8	(18.6)	46.7	5,365.5	5,389.6	(24.1)

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -$24.1M with $85.6M of Management Reserve for a total positive variance of $61.5M.

The overall project was 11.8% behind schedule and 7.7% under cost in February, continuing the performance trend of recent months. For FY2013, the project is 6.5% behind schedule and 6.8% under cost. Schedule performance in February was primarily due to:

- RL-0011 – Delayed PRF work efforts impacted by PRF canyon crane failure, process vacuum and transfer line removal efforts impacted by a management stop work associated with chemical lines and reformed field teams, deferred 242-Z D&D field work, actions to recover from a

contamination event, outages which restricted intrusive D&D work activities, a safety stand down, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

- RL-0012 – Continued delay to concrete placement as a result of the 32 day Contractor Quality Assurance stand down. The delay in concrete placement has had negative impact on downstream activities (structural steel erection, electrical installation and building mechanical build out). Fabrication activities are also running behind schedule as the Contractor's main focus was to get construction activities re-started.
- 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 waste site planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015.

Cost performance in February was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements. Realized efficiencies were partially offset by:

- RL-0011 – Unplanned chemical mitigation scope, and the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work. This is offset by lower need for personal/respiratory protective equipment due to deferred breathing-air work scope, reduced time on tools, and no overtime worked.
- RL-0012 – Costs for Construction Management of the Modified KW Annex associated with schedule delays described above (CM performance is based on completion of fieldwork – apportioned effort).

FUNDING ANALYSIS
FY2013 Funds vs. Fiscal Year Spend Forecast ($M)

		FY2013		
PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	132.6	112.4	20.2
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	69.5	61.3	8.1
RL-0013	Waste and Fuels Management Project	77.6	80.1	(2.5)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	98.7	88.6	10.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.4	11.0	0.4
RL-0041	Nuclear Facility D&D, River Corridor	12.6	8.2	4.4
RL-0042	Fast Flux Test Facility Closure	2.5	2.3	0.2
	Total Base:	**404.8**	**364.0**	**40.8**

Funds/Variance Analysis:

FY2013 projected funding was unchanged in the month of February and remains at $404.8M. February Spending Forecasts reflect reductions due to anticipated sequestration. FY2013 funding will be updated in March to reflect sequestration.

BASELINE CHANGE REQUESTS

In February 2013, CHPRC approved and implemented four (4) BCRs. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for February 2013		
BCR-030-13-007R0	*Risk Realization at 200-W P&T During Operations*	The S&GRP Project has realized two risks experienced post construction during the first quarter of FY2013. As a result of these realized risks in FY2013, this BCR utilized $500K of MR.
BCRA-030-13-008R0	*RL-30 Contract Milestone C.2.4.1.1-3 Date Correction*	Change Modification 236 signed August 20, 2012 changed the requirement for the waterline report to be submitted annually to biennially. This Administrative BCR adjusted the logic tie driving Contract Deliverable Milestone C.2.4.1.1-3 – Submit Annual Waterline Report to allow this activity to complete on April 1, 2013 as required in Table C.5, Summary of Contract Deliverables.
BCRA-PRC-13-003R0	*Update PMB Contractor CLIN Coding*	This BCR revised the Control CLIN activity coding to align with Contract Modification 249.
BCRA-PRC-13-004R0	*Project Technical Services FOC Creation*	This BCR created a new FOC Group, 38 – Project Technical Services due to a recent reorganization.

Overall, the contract period Performance Measurement Baseline budget increased $500K in February 2013.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-030-13-007R0	*Risk Realization at 200-W P&T During Operations*	2013	$500K
$500K of Management Reserve was utilized in February 2013.			

Fee Activity

Overall, the contract period Fee budget did not change in February 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 in increased by $500K February 2013. The PMB values of change requests processed in February 2013 are summarized by fiscal year in the tables below (dollars in thousands):

February 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
January 2013 Estimate									
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
Total	***693,138***	***1,008,790***	***1,034,427***	***445,711***	***420,019***	***3,602,085***	***2,085,544***	***5,687,628***	***5,687,628***
February 2013 Change									
PMB									
Change to PMB	***0***	***0***	***0***	***0***	500	500	0	500	500
MR									
Change to MR	***0***	***0***	***0***	***0***	-500	-500	0	-500	-500
Fee									
Change to Fee	***0***	***0***	***0***	***0***	0	0	0	0	0
Total Change	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
February 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	404,804	3,449,040	1,916,480	5,365,520	5,365,520
MR	0	0	0	0	3,215	3,215	82,366	85,581	85,581
Fee	39,712	48,772	32,322	17,023	12,001	149,830	86,698	236,528	236,528
Total	***693,138***	***1,008,790***	***1,034,427***	***445,711***	***420,019***	***3,602,085***	***2,085,544***	***5,687,628***	***5,687,628***

Changes to/Utilization of Management Reserve in February 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
January 2013 MR Totals								
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
Total	***0***	***0***	***0***	***0***	***3,715***	***3,715***	***82,366***	***86,081***
February 2013 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	-500	-500	0	-500
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	***0***	***0***	***0***	***0***	***-500***	***-500***	***0***	***-500***
February 2013 MR Totals								
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	168	168	14,660	14,828
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
Total	***0***	***0***	***0***	***0***	***3,215***	***3,215***	***82,366***	***85,581***

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 -2/28/2013				Planned Subcontracting*	$2,524,483,195
Reporting Category				Contract-to-date awards	$2,030,094,162
			Goal	Bal remaining to award =	$494,389,033
	$	%	%	Goal award $	Bal to goal $
SB	$989,362,058	48.73%	49.30%	$1,244,570,215	$255,208,157
SDB	$178,407,581	8.79%	8.20%	$207,007,622	$28,600,041
SWOB	$197,556,215	9.73%	7.50%	$189,336,240	($8,219,975)
HUB	$45,882,072	2.26%	2.20%	$55,538,630	$9,656,558
VOSB	$114,591,621	5.64%	3.50%	$88,356,912	($26,234,709)
SDVO	$54,972,468	2.71%	1.30%	$32,818,282	($22,154,187)
NAB	$29,817,569	1.47%	N/A	* 10-year subcontracting projection	
Large	$554,251,709	27.30%	N/A		
GOVT	$2,037,999	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	$480,917,190	23.69%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	$88,944	0.00%	N/A	Total Contract Price:	$5,678,760,928
NONPROFIT	$3,197,091	0.16%	N/A	17% requirement:	$965,389,358
FOREIGN	$235,796	0.01%	N/A	SB Awarded:	$989,362,058
Total	**$2,030,094,162**	**100.00%**	**N/A**	Balance to Requirement:	($23,972,700)

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

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

CH2MHILL
Plateau Remediation Company

J.W. Long
Vice President and
Project Manager for
PFP Closure Project

February 2013
CHPRC-2013-02, 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.

Key Performance Indicators	*Current Month*	*Contract To Date*
Glovebox/ Hood Removed or Dispositioned in Place	2	180 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	17,272 feet
Process Vacuum Piping Dispositioned	-	2,497 feet
Process Transfer Line Dispositioned	10	945 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^3	37 m^3
TRU/TRU-M Shipped	15 m^3	1,171 m^3
LLW/MLLW Shipped	21 m^3	3,943 m^3

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was below plan for the month. Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. The total gloveboxes removed to date is now 77.6 percent complete.
- Due to chemical mitigation efforts, work associated with disposition of process lines was minimal. However, the project dispositioned 10 feet of process transfer line.
- Field activities continued for draining the first chemical feed line, while planning continued for 15 additional draining efforts.
- Canyon entries to replace the hoist limit switch were completed. After function testing, the crane was returned to service.
- Size reduction of Pencil Tank Assembly 126 (Tank 126) was resumed. Disposition of Tank 126 is 97% complete. One cut remains which will be followed by sealout of the segments.
- During Nondestructive Assay (NDA) of the Tank 126 segments, the crane hoist raising and lowering function failed. Smoke was seen coming from the hoist cover plate. The other crane functions continued to operate normally. It appears that the recently installed sprocket may have worked off of the drive shaft and is rubbing against the cover plate causing it to heat up and the paint to smoke. Preparations for canyon entries were completed and canyon entries initiated to repair the crane.
- Staff from Newport News Shipbuilding (NNS) was at PFP to review the operation, maintenance, history, and available information on the crane. At the out-brief, the engineers noted that the types and frequency of occurrence of the PRF crane failures were typical for what would be expected on a crane of its type. The engineers expressed a concern that the clutches, gearboxes and brakes do not have documented internal inspections. A report with the NNS recommendations will be provided to the PFP Project in March.
- A new field work team was assigned to support the mechanical isolation of the MT gloveboxes. The field work team has started to review the work package.
- Ramp-up of the D&D 242-Z project continued, with completion of a work package to install a video cable for the differential pressure gauge and fabrication of 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	10%
		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	1	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	3	58	• 2/6/2013 – Employee experienced left hip strain (23002) • 2/13/2013 – Employee experienced laceration on right forearm (23006) • 2/14/2013 – Employee experienced neck strain (23008)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Implementation of the 2012 update to the D&D DSA and TSRs was completed on schedule in February 2013.
- The criteria document for the 2013 update to the D&D DSA and TSRs was drafted and shared with DOE-RL in a cross-table meeting. The update includes provisions to allow movement of high mass gloveboxes out of PFP and into large Type A shipping containers. The update includes recognition that filters in Filter Rooms FR-313 and 314 have been replaced. The update also identifies that FR-312 and FR-315 have reached their 10-year normal use life span and future use will be limited to "Standby" status.
- 291-Z Exhaust Fan (EF) Maintenance
  - Completed pillow blocks and bearing replacement of Exhaust Fan 4, tested and returned to service
- Completed replacement of the Filter Room 313 filters, tested, and returned to service
- Initiated removal of the Filter Room 314 filters
- Completed work on the reinforcement of the floor of 2712-Z Stack Monitoring Enclosure

11.05 Disposition PFP Facility

Remote Mechanical A and C Lines (RMA/RMC)

- The recovery actions in Room 235A-3 associated with a January 2, 2013 contamination event were completed.
- External and internal equipment removal, wipe downs, and NDA were completed for glovebox HC-16CC and conveyor section HC-1F.
- Fixative was applied to the interior of gloveboxes HC-15A, HC-15B, HC-16CC, and conveyor sections HC-1E and HC-1F.
- A large scaffold over the Room 228B gloveboxes was erected to support future removal of process ventilation duct and interferences for gantry crane installation.
- A difficult scaffold build in Room 235A-2 was completed to support the completion of the NDA of glovebox process ventilation duct.
- An encased process transfer line above glovebox HC-227S was air gapped.

Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
  - Completed removal of Chemical Addition Tank (CAT)
  - Completed removal of Hood 166 Drain Line
  - Completed design for several glove bags that will be used for Phase 2 isolations
  - Completed electrical isolation and strip-out work for Room 166

Disposition PFP (234-5Z) Facility

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

Chemical Mitigation

- Continued draining of the first chemical feed line.
- Completed the majority of the non-destructive field work to determine the extent of condition.
- Commenced planning for draining of an additional 15 chemical feed lines.

Plutonium Reclamation Facility (PRF)

- The crane hoist limit switch was successfully replaced and the crane returned to service.

- Size reduction of Tank 126 resumed and is 97% complete.
- Staff from Newport News Shipbuilding was at PFP to review the operation, maintenance, history, and available information on the crane.
- A new field work team was assigned to perform the mechanical isolation of the MT gloveboxes.
- Canyon entries resumed to troubleshoot and repair the crane hoist.

242-Z Americium Recovery Facility

- A work package was completed to install a video cable for the Differential Pressure gauge.
- The Plastic Shop completed fabrication of the new shelter for bottle storage outside of 242-Z.
- 242-Z Emergency Preparedness scenarios have been developed and are ready for review.
- A 242-Z Entry and Exit work package has been drafted and is ready for team review.

MAJOR ISSUES

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

Corrective Action – Over 80 accessible chemical lines have been ultrasonically tested to determine if they need to be drained. Engineering completed a draft list of chemicals that may have been used in the lines. Controls have been released for hazards associated with the identified chemicals. The initial work package has been released and initial draining of the first chemical feed line commenced. Planning is in process for fifteen additional draining efforts.

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 – Canyon entries to replace the hoist limit switch were completed. After function testing, the crane was returned to service.

Issue – During Nondestructive Assay (NDA) of the Tank 126 segments, the crane hoist raising and lowering function failed. Smoke was seen coming from the hoist cover plate. The other crane functions continued to operate normally. It appears that the recently installed sprocket may have worked off of the drive shaft and is rubbing against the cover plate causing it to heat up and the paint to smoke.

Corrective Action – Preparations for canyon entries were completed and canyon entries initiated to repair the crane.

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	
RL-011/WBS 011				
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.	Working - Concern	No Change	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.	Working - Critical	Decreased Confidence	Canyon entries were made and it was determined that the cause of the failed crane was a belt, and electrical components. Efforts to address the cause were complete. Additional crane impacts are being realized due to the hoist belt cover. All Pencil tank size reduction activities are suspended until additional 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.	Working - Concern	No Change	Repairs of the EF-3 are 100% complete. Teams continued in the month of February 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.	Working - Concern	Increased Confidence	234-5Z - Planning is complete on the disposition path for the section of piping that was discovered to have higher than expected material holdup in room 264. 291-Z - High gram piping was found in 291-Z that will require special handling. The scope is planned in the out years and will be marked as a known line to contain hold up.
PFP-080 – Unforeseen Chemical Hazards	CHPRC is reviewing other chemical lines to independently confirm they have been drained and the chemical hazards mitigated. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.	Working - Critical	Decreased Confidence	Notice of Change letter transmitted to DOE on February 13. Investigation schedule to complete end of February. Development of path forward based on investigation results.
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	Working - Critical	No Change	PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Impacts from the high concentration acid discovered in 234-5Z caused the deployment of a chemical response team to identify and drain process lines where appropriate. The reassignment of this team suspended field work for MT mechanical isolation activities until chemical liquids are characterized, and or drained. In addition management stopped work for chemical lines in the duct level, and all work packages associated with breaching of chemical lines throughout the plant until a path forward is identified are still in order.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.			Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
PRC-024 - Bargaining Unit Strike or Work Stoppage	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.
PRC-061 – FY2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Contractor mitigation actions may include reduction of D4 crews at the PFP, reduction of PFP procurement activities (e.g. the BROKK and other material and equipment) and 4 to 5 week furloughs for personnel.

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	9.4	7.6	8.1	(1.8)	-18.8%	(0.5)	-6.9%
Numbers are rounded to the nearest $0.1M							

CM Schedule Variance: (-$1.8M/-18.8%)

The unfavorable schedule variance is the result of delayed PRF work efforts due to PRF canyon crane failure, process line removal efforts impacted by a management stop work associated with chemical lines and realignment of D&D field work teams, deferred 242-Z D&D field work pending sequestration impact analysis, actions to recover from the Room 235A-3 contamination event, outages which restricted intrusive D&D work activities, a safety stand down, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

CM Cost Variance: (-$0.5M/-6.9%)

The unfavorable cost variance is primarily the result of unplanned chemical mitigation scope and the inability of D&D field work teams to work as planned (discussed above), combined with a limited ability to reassign resources to other work. This is offset by lower need for personal/respiratory protective equipment due to deferred breathing-air work scope, reduced D&D crews' time on tools, and no overtime worked in support of D&D.

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	578.6	568.2	582.0	(10.3)	-1.8%	(13.7)	-2.4%	940.3	1,003.6	(63.4)

Numbers are rounded to the nearest $0.1M

CTD Schedule Variance (-$10.3M/-1.8%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-$13.7M/-2.4%)

The cost variance is within reporting thresholds.

Variance at Completion (-$63.4M/-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.

Estimate at Completion (EAC)

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

The EAC changes from January to February are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2013		
WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Projected Funding	Spending Forecast	Spend Variance
RL-0011	132.6	112.4	20.2

Numbers are rounded to the nearest $0.1M

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

Critical Path Schedule

Critical Path analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-003R0 – *Update PMB Contractor CLIN Coding*

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)

CH2MHILL
Plateau Remediation Company

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

February 2013
CHPRC-2013-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The draft Preliminary Documented Safety Analysis (PDSA) was undergoing an in-process review at the end of the reporting period, along with Technical Safety Requirements (TSRs). In preparation for this review, the Hazard and Operability Study, What-If Accident Analysis, and Control Decision Report had been approved and made available for in-process review by RL. Drafting of the hazards analysis, accident analysis, and controls aspects of the PDSA have been completed.
- The Engineered Container Retrieval and Transport System (ECRTS) Team commenced review of the process system "delta design package" on February 11, 2013, following completion of the two-week review and initiation of Record Comment Review (RCR) comments in late February. The Delta Design Review Report will be completed in late March.
- At the Maintenance and Storage Facility (MASF), the Project began wiring integration of Panel 201 into the Integrated Process Optimization Demonstration (IPOD) system. The Project also began identification of necessary wiring changes in Panels 101, 103, and 401 in order to properly integrate PNL-201. Project personnel also began preparations for testing nitrogen purge panel upgrades and control system multiplexer panel fabrications per final design drawings. The IPOD is currently scheduled to commence in May 2013.
- Work on 105KW Annex Construction continued with completion of concrete placement for the truck scale slab and building footings Subcontractor personnel assembled the engineered concrete forming system for construction of the Annex transfer building walls. Formwork installation was scheduled to begin the week of February 25, 2013, following installation of fabricated embeds which were received on February 22, 2013.
- Construction Forces completed removal of obsolete equipment from 105KW and made modifications to door 148 to prepare for installation of the ECRTS process sludge transfer hoses.
- Efforts continued on additional installation of underground conduit, electrical rack fabrication and installation, and controlled density fill (CDF) backfill.
- Work on both the generic and the Multi-Canister Overpack (MCO)-specific Office of Civilian Waste Management (OCRWM) data packages continues. One more OCRWM generic data package was completed and released. Two of the remaining four data packages are in final review. The Part 3 MCO-specific data package (Processing Data) for MCO number H-017 (second Knock-Out Pot [KOP] MCO) is scheduled for final transmittal to OCRWM records the week of February 25, 2013. When transmitted, this will be the second MCO data package out of six to be submitted to OCRWM records.
- Review comments were received from the Canister Storage Building (CSB) for the last Part 3 MCO-specific data package. Currently, CSB has completed their initial review on all four remaining MCO data packages, and STP is resolving comments.
- Work on the KOP closeout report has been delayed due to assignment of resources to the ECRTS process delta design review. When it is complete, the report will highlight 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 depth measurements in the east, center, and west bays have been completed. The project is working with Safeguards and Security (SAS) to determine whether the existing process provided reasonable assurance of the absence of known found fuel. Since no additional material was identified, no additional validation or verification is deemed necessary to confirm End Point Criteria #1 is complete.
- A new Field Execution Schedule (FES) for the disposition of the Transfer Cask Overpack Assembly (TCA-1) was developed and approved. A new completion date of September 30, 2013 is forecast.
- Work packages for the deactivation of the Cold Vacuum Drying Facility (CVDF) processing systems are being developed and approved. One by one, the facility's processing systems will be drained or

flushed as required, and tagged out of service until after the safety basis is downgraded; they will then be deactivated. Systems taken out of service include the uninterruptable power supply system, the vacuum purge system (which was the processing system used for the vacuum drying), and the standby power system. In addition, Mission Support Alliance (MSA) drained the fuel out of the diesel fuel tanks for the emergency diesel generators; CHPRC resources completed the remaining activities to take the generators out of service.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB1-T1	Reduce the generation and/or waste at the source.	Identify a new mission for the Cold Vacuum Drying Facility (CVDF).	9/30/13	72%
13-EMS-DWF&RS-OB3-T1	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	50%

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	3	16	2/5/13 – Employee was disassembling furniture and was in numerous awkward positions. At the end of the day, the employee was sore due to the numerous positions. Body part affected: Hip (22998) 2/22/13 – Employee was moving cylinders and developed pain in the shoulder. Body part affected: Shoulder (23012) 2/27/13 – Employee was installing concrete forms had a small foreign body irritate the eye. Body part affected: Eye (23015)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- The formal design review of the ECRTS process system "delta design package" commenced in February. Preliminary feedback indicates that the number of comments is relatively small with no significant issues to date. The completed design is the primary component of the Critical Decision (CD) 2/3 Report, which is scheduled for submittal to RL in mid-April.
- Completed concrete placement for the truck scale slab and building footings at the 105-KW Modified Annex.
- The CVDF achieved a major milestone this month in the regulatory arena. EPA and RL agreed to transition the CVDF to a CERCLA regulatory basis. This will allow much more flexibility in managing future work in the facility. The Tri-Party Agreement (TPA) Project Managers ratified this decision. This marks the completion of a major step in transitioning the facility to its new maintenance mission.

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	
RL-012/WBS 012				
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.	Working - Concern	No Change	Calibrations are being performed as scheduled, CVDF Stack down-grade transmitted to Department of Health for review and DSA step-out criteria being reviewed.
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.	Working - Concern	Decreased Confidence	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	Working - Concern	Decreased Confidence	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.	Working - No Concerns	Decreased Confidence	Cost performance index is above the target of 1.04.
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.	Working - No Concerns	No Change	PDSA progressing and scheduled submittal in May 2013.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	Working - Critical	Decreased Confidence	Impacts to the project include suspension of construction and procurement contracts associated with the STP, impacts to bargaining unit personnel, and 4 to 5 week furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump & roll impacts, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

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	5.3	4.6	5.2	(0.7)	-13.3%	(0.6)	-14.1%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.7M/-13.3%)

The current month negative variance is due to delays in concrete placement on the 105KW Modified Annex construction as a result of the Contractor Quality Assurance stand down. The delay in concrete placement has had a negative impact on downstream activities (structural steel erection, electrical installation, and building mechanical build out). Fabrication activities are also running behind schedule as the Contractor's main focus was to get construction activities re-started.

CM Cost Performance (-$0.6M/-14.1%)

The current month negative variance results from costs for Construction Management of the 105KW Modified Annex overrunning due to schedule delays described above (CM performance is based on completion of fieldwork – apportioned effort).

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	359.4	351.5	351.7	(7.9)	-2.2%	(0.2)	-0.1%	605.9	633.0	(27.1)

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (-$7.9M/-2.2%)

Variance is within reporting thresholds.

CTD Cost Performance (-$0.2M/-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)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013 Projected Funding	FY2013 Spending Forecast	FY2013 Spend Variance
RL-0012	69.5	61.3	8.1

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

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)

CH2MHILL
Plateau Remediation Company

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

February 2013
CHPRC-2013-02, 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. Waste water processing was reinitiated for the first time this fiscal year and 1.08M gallons of Basin 43 waste water was processed through ETF toward Key Performance Goal of 7M gallons. Liquid Effluent Facilities (LEF) received 13 tankers (calendar year [CY] 50k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 139k gallons of ERDF leachate (CY 0.40M gallons). Covered eight waste boxes in CWC outside storage area. The project supported tours of T Plant and WESF for DOE, DNFSB, and Oregon Public Broadcasting.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	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	30%
13-EMS-DWF&RS-OB4-T1	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	35%
13-EMS-DWF&RS-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 DWF&RS management control.	8/31/13	25%

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	20	2/13/13 - Employee was climbing up ladder and experienced pain in shoulder. Body part affected: Shoulder (23011) 2/20/13 - Employee was closing cabinet doors causing unsettling of dust to irritate eyes and throat. Body part affected: Eye (23005)
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
- Initiated preliminary planning for possible Sequestration impacts.

13.02 Capsule Storage & Disposition

- Supported tour for Defense Nuclear Facility Safety Board (DNFSB) Chairman and Technical Director
- Continued with shop work, field work, procedure development and Nationally Recognized Laboratory Testing (NRTL) approval of Radiation Indicator Transmitters (RIT) in support of installation of new instruments in K-3 Filter Pit and Tank 100
- Installed refurbished battery charger for Standby Generator
- Initiated Statement Of Work (SOW) development for WESF Roof repairs
- Initiated planning and material procurement for external level indicator for the pool cell water

13.03 Canister Storage Building (CSB)

- Continued Knock Out Pot (KOP) multi-canister overpack (MCO) monitoring program
- Completed annual rail clip hold-down bolt torque verification (Technical Safety Requirement - TSR)
- Completed MCO Handling Machine (MHM) Drive Motor Torque Arm repair
- Relocated MCOs H-0278 and H-402 to sample station
- Completed quarterly MHM interlock channel tests (TSR)
- Completed Gaseous Effluent Monitoring System (GEMS)-100 control system upgrade - Phase I
- Completed six-month MHM wire rope inspection
- Completed six-month air handler AH-006 High Efficiency Particulate Air (HEPA) filter test
- Completed quarterly air compressor CX-1B inspection

13.07 WRAP

- Initiated management assessment in support of Master Documented Safety Analysis (MDSA) Rev. 9

- Completed quarterly 2336W, 201B and 202B exhaust fan inspections. A vibration has been reported and a troubleshooting work package has been initiated to obtain a baseline vibration reading, inspect, open up and look at the housing, check alignment and correct as needed; then perform full vibration analysis.
- Completed Fire System Maintenance on six domestic backflow PMs
- Supported Hanford Fire Department (HFD) with Technical Safety Requirements (TSR) Fire Riser Flow Tests and Inspections and annual fire extinguisher inspections
- Conducted workability review for installing new Cf252 source at SuperHENC
- Completed the annual calibration on the Chessel Recorder for the WRAP stack
- Completed 18 TSR surveillances
- Completed 11 Preventive Maintenance (PM) packages
- Completed 80 Rad surveillances
- Completed 42 Operational surveillances

13.08 T Plant

- Initiated management assessment in support of MDSA Rev. 9
- Completed troubleshooting and repairs of drum venting assemblies, associated equipment and remote operations controls – equipment verified to be 100% operable
- Supported tour for DOE-RL and Oregon Public Broadcasting
- Completed three TSR surveillances
- Completed 19 PM packages
- Completed 254 Rad surveillances
- Completed 170 Operational surveillances

13.09 Central Waste Complex (CWC)

- Initiated management assessment in support of MDSA Rev. 9
- Covered eight waste boxes in the CWC outside storage area. This included boxes: W4BT11-0045, W4BT11-0029, W4BT11-0046, 2345Z8-19, 75DMA20F8, 7510DMA07, ZBB78121.A and 202A7807.
- Placarded fiberglass-reinforced plywood (FRP) boxes in zone 2; 35 boxes left to placard, 80% complete
- Relocated entire waste inventory in 2402WG to 2402WI in preparation for Fire Suppression System piping repair and pipe slope evaluations
- Supported AREVA conducting ultrasonic testing and pipe slope evaluations on the Fire Suppression System piping in three additional 2402 series buildings. Performed testing; noted no additional issues identified beyond 2402WG.
- Applied invisible fixative to Waste Box 231ZDR-11 and catch pans as a scheduled preventive measure. No additional contamination was detected during boundary surveys of the contamination area (CA).
- Received analysis data for the white crystalline material discovered on the concrete shielding surface of waste package 105K-95-TRU002. Results indicate sodium and calcium salts most likely originated from the concrete itself over time. The material is not a dangerous waste based on test results and it does not pose a significant health risk.
- Completed CWC semi-annual container audit activities
- Completed 13 TSR surveillances
- Completed 17 PM packages
- Completed 190 Rad surveillances
- Completed 65 Operational surveillances
- **Shipments**
  - Received three Plutonium Finishing Plant (PFP) Transuranic mixed (TRUM) shipments into

CWC (19 drums)
- Received one PFNW TRUM shipment into CWC (6 SWBs)
- Received one PNNL TRUM shipment into CWC (1 drum)
- Transferred 11 empty 9x5x5 DOT Type-A metal boxes from CWC to WRPS

13.11 Liquid Effluent Facilities (LEF)

- Processed 1.08M gallons of Basin 43 waste water through ETF toward Key Performance Goal of 7M gallons
- Received (calendar year [CY]) 13 tankers; 50k gallons
- Treated effluent to State-Approved Land Disposal Site: 1.46M gallons (CY 1.46M)
- Discharged 1.35M gallons (CY 2.88M) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (139k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (0.40M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 30k gallons
- **Operations Activities**
  - Sampled and shipped to off-site lab Basin 44 powder to determine chromium levels. Results less than LDR will allow shipment of 66 drums to ERDF
  - Sampled and shipped to Waste Sampling and Characterization Facility lab Basin 43 powder to begin stabilization bench scale testing
  - Operated Thin Film Dryer with Feed from Basin 43. Added 29 customer waste water drums into both of the concentrate tanks for processing through the TFD
  - Held Corrective Action Review Board (CARB) meeting on the causal analysis for Nuclear Safety and Performance Evaluation Board (NSPEB) 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
- **Maintenance Activities**
  - Installed rebuilt evaporator recirculation pump (60I-P-2)
  - Completed American Society for Testing and Materials (ASTM) Section 8 pressure vessel repairs on the evaporator heat exchanger and placed back into service
  - Replaced timer assembly on the Air Dryer due to moisture in air system. Removed and cleaned three pitch controllers on HVAC system
  - Continued shop fabrication to replace Basin 44 recirculation line
  - Re-installed second Reverse Osmosis feed pump (60F-P-2A), but failed on retest
  - Initiated repairs to the Thin Film Dryer rotor assembly
- **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
    - Modified and received approval from Hazard Review Board for process improvements from work on Basin 42
      - New manifold assembly which eliminates system breaches during change in operations (i.e., back flushing pump, tote dewatering, etc.)
      - Bulk vegetation removal
  - **Basin 42**
    - Continued water and dirt removal from LERF Basin 42 cover with floating pump assembly
    - Modified work document based on mock up of bulk vegetation removal using excavator

13.12 Integrated Disposal Facility

- Completed required monthly inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed one TSR surveillance
- Completed 20 Radiological and four Operational surveillances
- Completed four Operational surveillances

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.

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	
RL-0013				
PRC-007: ERDF WAC Revised	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.			• Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area. • Thin-Film Dryer rotor replacement scheduled during next ETF outage and replacement of heat exchanger. • Continuing to experience greater than planned maintenance at ETF and LERF.
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.			WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011 is nearing completion. Washington Department of Ecology performed inspection of CWC on September 17. In discussions regarding preliminary feedback.
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.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 4 to 5 week furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

PROJECT BASELINE PERFORMANCE
Current Month
($M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
Total	6.8	6.8	5.8	(0.1)	-1.0%	0.9	13.8%

Numbers are rounded to the nearest $0.1M

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

The current period schedule variance is within threshold.

CM Cost Performance (+$0.9M/+13.8%)

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	736.4	736.0	724.4	(0.3)	-0.0%	11.6	1.6%	1,344.1	1,329.1	15.0

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 (+$11.6M/+1.6%)

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 January to February 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	FY2013 Spending Forecast	FY2013 Spend Variance
RL-0013	77.6	80.1	(2.5)

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

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

Section D
Soil and Groundwater Remediation Project (RL-0030)

CH2MHILL
Plateau Remediation Company

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

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

February 2013
CHPRC-2013-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

- 20.8M gallons groundwater treated by KX treatment facility
- 10.6M gallons groundwater treated by KW treatment facility
- 11.5M gallons groundwater treated by KR-4 treatment facility
- 25.1M gallons groundwater treated by HX treatment facility
- 21.5M gallons groundwater treated by DX treatment facility
- 53.8M gallon groundwater treated by 200W treatment facility
- 143.3M gallons of groundwater treated total

Sampling	February	FY2013 Cumulative
Number of Well Sampling Events	198	978
Number of Aquifer Sampling Events	4	326
Total Number of Sampling Events	202	1304
Total Number of Samples Collected	1103	4663
Total Number of Analyses Performed	1733	10210

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB2-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Establish a baseline for air emissions at the 200 West Pump and Treat Facility.	10/30/13	On schedule
		A tabulation of emissions, in mass (pounds, kilograms, milligrams, etc.) per year, for constituents of concern (i.e. all constituents analyzed for during quarterly sampling events). Progress will be reported at 25% increments.	Quarterly	Progress at 25%
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	737.7M Gallons treated through 2/28/13

Objective #	Objective	Target	Due Date	Status
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 Progress at 40%
13-EMS-SGWR-OB6-T1	Maximize the acquisition and use of environmentally preferable products.	Evaluate S&GRP chemical inventory and identify candidates for substitution (toxicity reduction) and choose one chemical for evaluation, based on chemical user input.	3/15/13	100% Complete
		Purchase minimum amount of chemical needed for evaluation and ask users to assess product's viability as an adequate substitute.	9/30/13	On schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	25	**2/7/2013 –** Repetitive stepping up to enter sampling van caused employee to experience pain in right hip. Employee was seen at Site Medical and returned to work with no restriction. (23001) S&GRP
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations
RL 30 Integration & Assessments

Strategic Integration

- The Senior Executive Committee (SEC) meeting was held on February 12, 2013 at the Pasco Red Lion. The meeting included an open discussion on priorities and efficiencies in light of the current budget outlook and a discussion on the status of the Agreed Orders currently being developed to resolve waste storage and handling compliance issues. It is expected that future SEC meetings will be more focused on resolution of issues that cannot be addressed at lower levels and development of strategies for addressing impacts of pending budget concerns.

Environmental Integration

- Participated in the Waste Management Symposium by chairing and presenting papers on groundwater remediation, Gold LEED Certification, and Closure Strategies in general.

Technical Integration

- EP&SP Staff member Will Nichols participated (with DOE approval) in an International Atomic Energy Agency (IAEA) consultancy to develop international guidance for management of large quantities of radioactive waste following a nuclear emergency. The consultancy was conducted at IAEA headquarters in Vienna, Austria. Mr. Nichols was invited on the basis of experience gained by DOE at the Hanford Site in managing large amounts of radioactive waste, and in licensing ERDF.

River Corridor
100-NR-2 Operable Unit

- RI/FS Report and Proposed Plan: Submitted the decisional draft RI/FS Report and Proposed Plan to RL on February 27, 2013 for review.

Central Plateau
200-UP-1 Operable Unit

- RL review of the Decisional Draft RD/RA Work Plan and associated draft TPA change package was completed with written comments provided on February 22, 2013. Schedule commitments in the RD/RA Work Plan remain an open issue.

200 West Pump and Treat

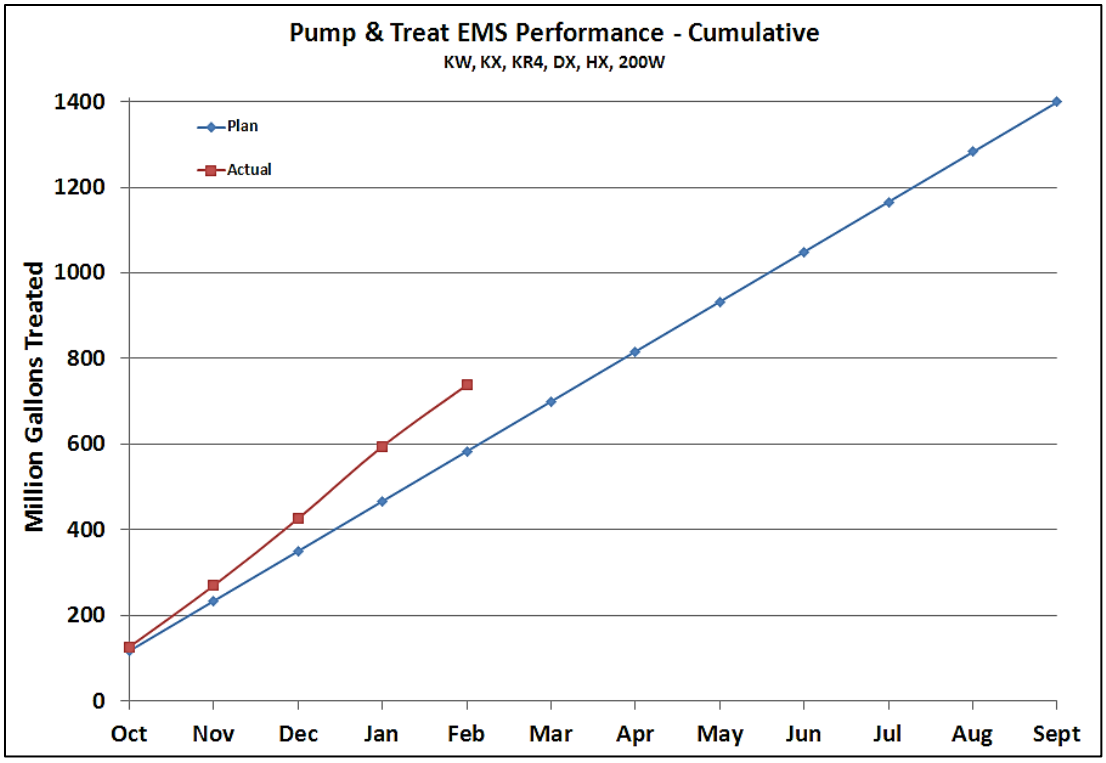
- During this month, the pumping rates at the 200 West P&T ranged from 1,200 gpm to 1,580 gpm.
- The two ion exchange resin trains were run between 380 gpm and 520 gpm combined capacity, removing Tc-99 from groundwater from selected wells near the TX-TY and T Tank Farms as well as from the vicinity of the S-SX Tank Farm.
- Continuing to perform OTP work, routine maintenance, and minor modifications.
- The below table identifies the average concentration of the contaminants of concern in the effluent water following treatment.

Contaminant Of Concern	Average Effluent Concentration	Cleanup Level Specified in Record of Decision
Nitrate	8,030 ug/L	10,000 ug/L
Carbon Tetrachloride	<3 ug/L	3.4 ug/L
TCE	<2 ug/L	1 ug/L
Total Chromium	6.7 ug/L	100 ug/L
Hexavalent Chromium	2.7 ug/L	48 ug/L
Iodine-129	<0.3 pCi/L	1 pCi/L
Technetium-99	34 pCi/L	900 pCi/L
Tritium	5,400 pCi/L	20,000 pCi/L

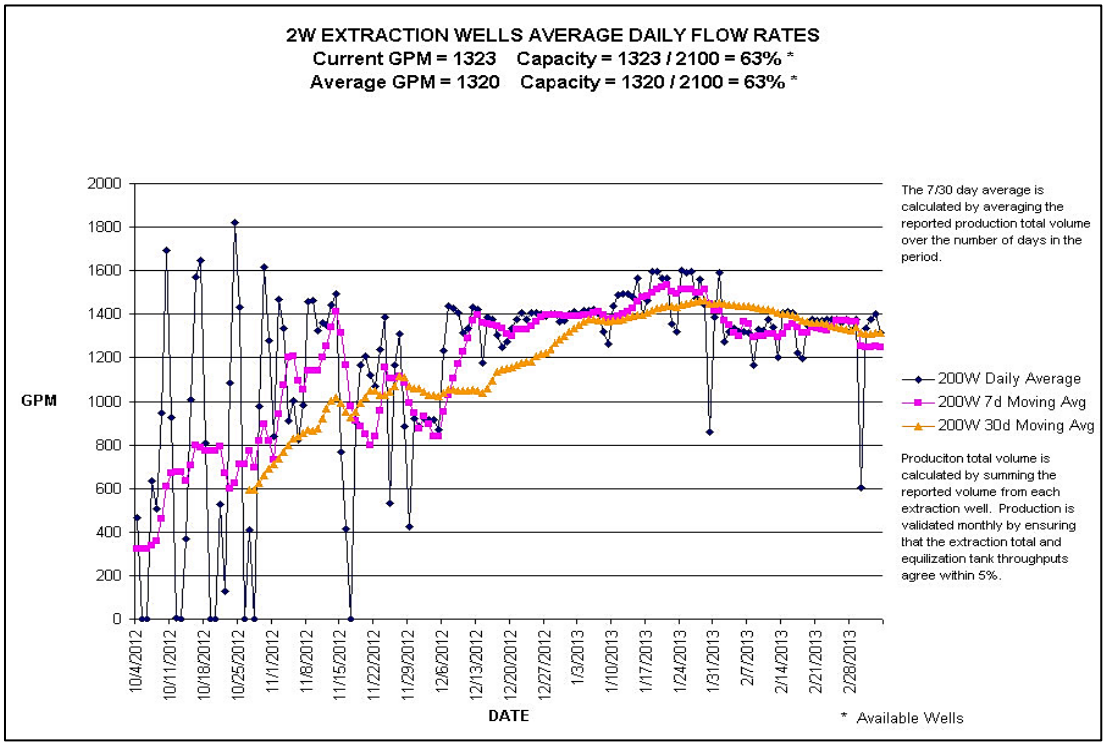
200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,014 gallons during the month of February, bringing the total volume of perched water removed to 102,575 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of February:
  - Tc-99 3.7E-04 Ci
  - Uranium 807 grams
  - Nitrates 15.8 kilograms
- The perched water removal system removed the following quantities of contaminants since project start-up (cumulative removal):
  - Tc-99 8.0E-03 Ci
  - Uranium 15.8 kilograms
  - Nitrates 201.2 kilograms

Pump and Treat Operations – FY2013



200 West Pump and Treat Operations



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 FY2013.

Corrective Action –

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

Status – 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	
RL-030/WBS 030				
SGW-008J Regulatory Document Comments – 300-FF-5	Routine and comment review meetings to remain current on influences from regulators, and provide technical justification for the proposed path forward.	Red	⟷	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 now requires preparation of an addendum to the RI/FS report to address new scope.
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.	Red	↓	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.
SGW-080: 100-BC-5 Pump and Treat Required	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).	Green	⟷	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.
SGW-081: 100-FR-3 Pump and Treat Required	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.	Yellow	⟷	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.	Green	↑	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, three wells have been drilled to depth and are undergoing either well completion, minor repair work, or awaiting well development.
SGW-156,100K Groundwater Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units. Well installation may be prioritized across the Soil and Ground water project within the current funding authorization. Well installation prioritization will be a joint effort between CHRPC and DOE.	Red	↑	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.	Yellow	⟷	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	
RL-030/WBS 030				
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.			Continuing to resolve outstanding issues associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.			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.			Cost Performance for February improved and is above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Impacts to groundwater project include contingencies for process upsets for P&T operation, well drilling and realignments for ZP-1, BC-5, KR-4, HR-3 and M-24 campaigns, vadose zone sampling and down hole geophysical logging associated with well drilling, and HR-3, KR-4 and ZP-1 well connections and realignments – RPO modeling. Also NR-2, HR-3, KR-4, 300 Area, FI/U and BC-5 CERCLA documents and processes. Due to impacts to BC-5 drilling, work to develop a CP in response to CO #221 "100-BC-5 Well drilling Additional Wells and Aquifer Tube Network" has been halted. Impacts also include 4 to 5 week furloughs for personnel.

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 (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	0.0	0.0	0.0	(0.0)	0.0
RL-0030.O1 RL 30 (Operations)	8.9	8.2	6.3	(0.6)	-7.2	2.0	23.8
RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	**8.9**	**8.2**	**6.2**	**(0.6)**	**-7.2**	**2.0**	**24.2**

Numbers are rounded to the nearest $0.1M.

CM Schedule Performance (-$0.6M/-7.2%)

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

RL-0030.O1 RL 30 Operations (-$0.6M/-7.2%)

Drilling (-$0.3M)

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 (-$0.3M)

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.

200-ZP-1 Operable Unit (+$0.3M)

Positive schedule variance is associated with the implementation of BCR-030-013-007R0 200 W Startup MR Drawdown. Implementation of the BCR resulted in a current period positive point adjustment.

CM Cost Performance (+$2.0M/+24.2%)

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

RL-0030.O1 RL 30 Operations (+$2.0M/+23.8%)

GW Monitoring and Performance Assessments (+$0.3M)

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 on order to stay within overall project funding.

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

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

200-ZP-1 Operable Unit (+$0.7M)

Positive cost variance is associated with implementation of BCR-030-13-007R0 200 W Startup MR Drawdown in the month of February. The BCR implemented in the current month was for operations at the 200 West P&T Facility. The BCR addressed realized risk associated with equipment failures at the 200 West P&T Facility for the first quarter of FY2013. The BCWP of $500K (point adjustment) was earned in the current month, whereas actual cost was encountered in the prior months. In addition, some of the positive cost variance is associated with chemical purchases that are less than what was originally planned (efficiencies).

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)
RL-0030.C1 GW Remedy Implement	73.4	73.4	87.1	(0.0)	-0.0	(13.7)	-18.7	73.4	87.5	(14.2)
RL-0030.O1 RL 30 (Operations)	505.4	504.9	494.5	(0.6)	-0.1	10.3	2.0	1,151.9	1,136.7	15.2
RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.5	0.0	0.0	0.5	0.3	175.0	174.5	0.5
RL-0030.R1.2 Well Drilling Operations	40.7	40.7	38.4	0.0	0.0	2.4	5.8	40.7	38.4	2.4
RL-0030.R1.3 Support Operations	51.4	51.4	51.1	(0.0)	-0.0	0.3	0.5	51.4	51.1	0.3
Total	**846.0**	**845.4**	**845.6**	**(0.6)**	**-0.1**	**(0.2)**	**-0.0**	**1,492.5**	**1,488.3**	**4.2**

Numbers are rounded to the nearest $0.1M.

CTD Schedule Performance (-$0.6M/-0.1%)

RL-0030.O1 RL 30 Operations (-$0.6M/-0.1%)

100-NR-2 Operable Unit (+$1.2M)

Favorable schedule variance has resulted primarily from performing barrier expansion and sampling support (originally planned in FY2013) during FY2011 and FY2012.

CTD Cost Performance (-$0.2M/-0.0%) – Cost performance variance that exceed threshold are reported below. 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/-18.7%)

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 (+$10.3M/2.0%)

Integration and Assessments (+$5.9M)

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 (-$2.4M)

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 (+$3.3M)

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-ZP-1 Operable Unit (+$1.9M)

Positive cost variance is associated with cost efficiencies achieved in operation activities in prior years as well as implementation of BCR-030-13-007R0 200 W Startup MR Drawdown in the month of February. The BCR implemented in the current month was for operations at the 200 West P&T Facility. The BCR addressed realized risk associated with equipment failures at the 200 West P&T Facility for the first quarter of FY2013. The BCWP of $500K (point adjustment) was earned in the current month, whereas actual cost was encountered in the prior months. In addition, some of the positive cost variance is associated with chemical purchases that are less than what was originally planned (efficiencies).

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.

Regulatory Decisions and Closure Integration (+$2.0M)

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

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 0.3% 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	FY2013 Spending Forecast	FY2013 Spend Variance
RL-0030	98.7	88.6	10.0

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-13-007R0 – *Risk Realization at 200-W P&T During Operations*
BCRA-030-13-008R0 – *RL-30 Contract Milestone C.2.4.1.1-3 Date Correction*

FY2013 Management Reserve (Funded): $0.0M
Utilized $500K management reserve during February for BCR-030-13-007R0 – *200 W Startup MR Drawdown* – realized risk

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
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-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.
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-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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		2/28/14	On Schedule
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		2/28/14	On Schedule
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr. FY14 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

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

CH2MHILL
Plateau Remediation Company

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

February 2013
CHPRC-2013-02, 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 92 radiological facility surveillances.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	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	30%
13-EMS-DWF&RS-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 DWF&RS management control.	8/31/13	25%

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 backfill of two Waste Information Data Services (WIDS) site areas that needed repair
- Conducted 92 radiological facility surveillances
- Completed replacement of 300 radiological postings on WIDS sites
- Performed WIDS site housekeeping (weed spraying)
- Completed 38 Preventive maintenance (PM) activities
- Completed permanent posting of 15 asbestos WIDS sites
- Completed sampling of Reduction-Oxidation Plant (REDOX) chemical substance

- Completed cleanup of cement asbestos board (CAB) siding tiles from building 275EA

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
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
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. Stop work issued requiring quick turnaround repair of degraded steamline sections.
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%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 4 to 5 week furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

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	0.7	0.0	0.0%	0.2	23.0%

Numbers are rounded to the nearest $0.1M

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

Variance is within threshold.

CM Cost Performance: (+$0.2M/+23.0%)

Variance is within threshold.

Contract-To-Date
($M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	369.0	369.0	341.6	(0.0)	-0.0%	27.4	7.4%	488.7	461.3	27.5

Numbers are rounded to the nearest $0.1M

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

Variance is within threshold.

CTD Cost Performance: (+$27.4M/+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 January to February are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2013		
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Spend Variance
RL-0040	11.4	11.0	0.4

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

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)

CH2MHILL
Plateau Remediation Company

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

February 2013
CHPRC-2013-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Continued working on the Facility Hazard Categorization documentation. Continued working on removal of legacy waste from the 100K area. Progressed on the D&D process development.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	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
13-EMS-DWF&RS-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 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	21	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Facilities

- Continued with draft of the 105KE surveillance and maintenance procedure.
- Continued 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	
RL-0041				
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.	Working - Concern	No Change	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.	Working - Concern	No Change	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.	Working - No Concerns	No Change	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.	Working - Concern	No Change	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.	Working - No Concerns	No Change	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.	Working - Concern	No Change	Continuing to address areas with asbestos concerns.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	Working - Critical	Decreased Confidence	Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 4 to 5 week furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

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	0.5	0.3	-0.7	-56.0%	0.2	36.3%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.7M/-56.0%)

The variance is primarily due to completion of planned waste site 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/+36.3%)

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	297.0	297.6	277.8	0.6	0.2%	19.9	6.7%	467.5	449.9	17.6

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (+$0.6M/+0.2%)

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

CTD Cost Performance (+$19.9M/+6.7%)

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.
The changes in EAC from January to February are within reporting threshold.

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	8.2	4.4

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority. February Spending Forecast reflects reduction per anticipated sequestration.

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)

CH2MHILL
Plateau Remediation Company

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

February 2013
CHPRC-2013-02, 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
13-EMS-DWF&RS-OB2-T1	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	30%
13-EMS-DWF&RS-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 DWF&RS management control.	8/31/13	25%

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
- Packaged and removed the Tritium exit sign

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities.
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) at 102%. FFTF performing above Cost Performance of 102%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 4 to 5 week furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.
400 Area Water Transition	Work with MSA to ensure scope is transferred and waste water discharges to ENW are addressed by MSA.			Continuing to work with MSA on the Business Case for submission to the Contractor Integration Board.

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%	0.1	36.1%
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: (+$0.1M/+36.1%)
The current period cost variance is within threshold.

Contract-to-Date ($M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	14.6	14.6	12.7	0.0	0.0%	1.9	13.3%	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/+13.3%)

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 January to February is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2013		
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
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. February Spending Forecast reflects reduction per anticipated sequestration.

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

CH2MHILL
Plateau Remediation Company

February 2013
CHPRC-2013-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 1 - WORK BREAKDOWN STRUCTURE

DOLLARS IN Thousands of $

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2013 / 01 / 28
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2013 / 02 / 24
	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
	5,451,637	0	227,692	5,679,330	5,702,910	5,679,330	5,702,910	

6. ESTIMATED COST AT COMPLETION	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	5,389,636		
b. WORST CASE	5,451,101		
c. MOST LIKELY	5,475,217	5,451,637	(23,580)

7. AUTHORIZED CONTRACTOR REPRESENTATIVE		
a. NAME (Last, First, Middle Initial) Bang, M.V.	b. TITLE Prime Contract Manager	
c. SIGNATURE		d. DATE SIGNED 2/24/2013

8. PERFORMANCE DATA

WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)	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)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
011 RL-11 NM Stabilization and Disposition PFP	9,368	7,609	8,132	(1,759)	(524)	578,581	568,242	581,978	(10,339)	(13,736)	0	0	0	940,255	1,003,640	(63,386)
012 RL-12 SNF Stabilization and Disposition	5,283	4,578	5,224	(705)	(646)	359,381	351,505	351,708	(7,876)	(203)	0	0	0	605,948	633,046	(27,098)
013 RL-13 Solid Waste Stabilization & Disposition	6,830	6,764	5,830	(65)	935	736,359	736,031	724,433	(329)	11,598	0	0	0	1,344,099	1,329,085	15,014
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,883	8,245	6,247	(639)	1,998	845,989	845,407	845,629	(582)	(222)	0	0	0	1,492,455	1,488,252	4,204
040 RL-40 Nuclear Facility D&D Remainder of Hanford	892	892	687	0	205	369,002	368,973	341,556	(29)	27,417	0	0	0	488,747	461,295	27,452
041 RL-41 Nuclear Facility D&D - River Corridor	1,221	537	342	(684)	195	297,025	297,609	277,758	584	19,851	0	0	0	467,474	449,885	17,589
042 RL-42 FFTF Closure	159	159	102	0	57	14,639	14,639	12,693	0	1,947	0	0	0	26,542	24,433	2,109
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	**32,636**	**28,784**	**26,564**	**(3,852)**	**2,220**	**3,200,975**	**3,182,406**	**3,135,755**	**(18,569)**	**46,651**	0	0	0	**5,365,520**	**5,389,636**	**(24,116)**
f. Management Reserve														85,581		
g. Total	**32,636**	**28,784**	**26,564**	**(3,852)**	**2,220**	**3,200,975**	**3,182,406**	**3,135,755**	**(18,569)**	**46,651**	0	0	0	**5,451,101**		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									**(18,569)**	**46,651**				**5,451,101**	**5,389,636**	**61,464**

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES			DOLLARS IN _ Thousands of $	FORM APPROVED OMB No. 0704-0188
1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2013 / 01 / 28
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2013 / 02 / 24
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. PERFORMANCE DATA

FOC / ITEM (1)	CURRENT PERIOD: BUDGETED COST WORK SCHEDULED (2)	BUDGETED COST WORK PERFORMED (3)	ACTUAL COST WORK PERFORMED (4)	VARIANCE SCHEDULE (5)	VARIANCE COST (6)	CUMULATIVE TO DATE: BUDGETED COST WORK SCHEDULED (7)	BUDGETED COST WORK PERFORMED (8)	ACTUAL COST WORK PERFORMED (9)	VARIANCE SCHEDULE (10)	VARIANCE COST (11)	REPROGRAMMING ADJUSTMENTS: COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	AT COMPLETION: BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
30A - Project Services & Support																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	0	**0**	**0**	**0**	**0**	**324,047**	**324,047**	**295,756**	**0**	**28,291**	**0**	**0**	**0**	**324,047**	**295,756**	**28,291**
30B - WBS 98 PSD Distribution																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	0	**0**	**0**	**0**	**0**	**67,718**	**67,718**	**69,727**	**0**	**(2,008)**	**0**	**0**	**0**	**67,718**	**69,727**	**(2,008)**
30C - WBS 98 R&RP Distribution																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	0	**0**	**0**	**0**	**0**	**5,000**	**5,000**	**9,417**	**0**	**(4,417)**	**0**	**0**	**0**	**5,000**	**9,417**	**(4,417)**
30W - WBS 98 WFR Distribution																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	**0**	**0**	**0**	**0**	**20,128**	**20,128**	**20,128**	**0**	**0**	**0**	**0**	**0**	**20,128**	**20,128**	**0**
34 - Environmental Prog & Strategic Planning																
030.2 - Envr Prog & Strategic Planning	406	406	424	0	(17)	39,099	39,099	35,879	0	3,220	0	0	0	79,989	77,034	2,955
	406	**406**	**424**	**0**	**(17)**	**39,099**	**39,099**	**35,879**	**0**	**3,220**	**0**	**0**	**0**	**79,989**	**77,034**	**2,955**
35 - Business Services																
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0
030.9F - Ramp Up/Transition - Fac	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
	0	**0**	**0**	**0**	**0**	**44,816**	**44,816**	**45,288**	**0**	**(473)**	**0**	**0**	**0**	**44,816**	**45,288**	**(473)**
37 - Company Level Initiatives																
011.7W - PRC WFR	0	0	0	0	0	1,818	1,818	1,220	0	599	0	0	0	1,818	2,744	(926)
012.7W - PRC WFR	0	0	0	0	0	1,363	1,363	776	0	587	0	0	0	1,363	1,259	104
013.7W - PRC WFR	0	0	0	0	0	1,702	1,702	1,172	0	529	0	0	0	1,702	2,127	(426)
030.7W - PRC WFR	0	0	0	0	0	1,705	1,705	868	0	837	0	0	0	1,705	1,605	101
040.7W - PRC WFR	0	0	0	0	0	224	224	150	0	74	0	0	0	224	265	(42)
041.7W - PRC WFR	0	0	0	0	0	337	337	188	0	149	0	0	0	337	273	64
042.7W - PRC WFR	0	0	0	0	0	33	33	19	0	14	0	0	0	33	36	(3)
	0	**0**	**0**	**0**	**0**	**7,182**	**7,182**	**4,393**	**0**	**2,789**	**0**	**0**	**0**	**7,182**	**8,309**	**(1,127)**
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	9,368	7,609	8,132	(1,759)	(524)	493,722	483,383	504,571	(10,339)	(21,188)	0	0	0	855,396	924,709	(69,313)
	9,368	**7,609**	**8,132**	**(1,759)**	**(524)**	**493,722**	**483,383**	**504,571**	**(10,339)**	**(21,188)**	**0**	**0**	**0**	**855,396**	**924,709**	**(69,313)**
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	2,430	2,430	2,077	0	353	127,019	127,019	126,375	0	644	0	0	0	252,176	259,996	(7,820)
012.2 - Sludge Treatment Project	2,853	2,148	3,147	(705)	(999)	178,578	170,702	172,322	(7,876)	(1,620)	0	0	0	299,987	319,555	(19,568)
013.1 - Waste Management	6,830	6,764	5,830	(65)	935	629,736	629,407	617,487	(329)	11,920	0	0	0	1,237,476	1,221,185	16,290
040.1 - PRC D&D	0	0	9	0	(9)	191,549	191,549	187,737	(0)	3,812	0	0	0	225,176	221,773	3,403
040.2 - D&D Fac Waste Site Remediation	0	0	0	0	0	67,594	67,594	60,123	0	7,470	0	0	0	89,437	81,967	7,470
041.1 - River Zone	1,221	537	342	(684)	195	244,153	244,737	234,296	584	10,441	0	0	0	414,602	406,339	8,264
042.1 - FFTF	159	159	102	0	57	13,003	13,003	11,159	0	1,844	0	0	0	24,906	22,882	2,024
040.3 - PRC Fac & Waste Site Maint	892	892	678	0	213	38,368	38,339	35,361	(29)	2,979	0	0	0	102,643	99,105	3,537
	14,385	**12,930**	**12,185**	**(1,454)**	**746**	**1,489,999**	**1,482,351**	**1,444,861**	**(7,649)**	**37,490**	**0**	**0**	**0**	**2,646,404**	**2,632,803**	**13,601**
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	8,477	7,838	5,862	(639)	1,977	436,215	435,633	412,604	(582)	23,029	0	0	0	1,041,791	1,012,887	28,904
	8,477	**7,838**	**5,862**	**(639)**	**1,977**	**436,215**	**435,633**	**412,604**	**(582)**	**23,029**	**0**	**0**	**0**	**1,041,791**	**1,012,887**	**28,904**
3F - Engineering, Projects & Construction																
030.3 - EPC - Groundwater	0	0	(39)	0	39	273,050	273,050	293,132	0	(20,082)	0	0	0	273,050	293,580	(20,530)
	0	**0**	**-39**	**0**	**39**	**273,050**	**273,050**	**293,132**	**0**	**(20,082)**	**0**	**0**	**0**	**273,050**	**293,580**	**(20,530)**
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	**32,636**	**28,784**	**26,564**	**(3,852)**	**2,220**	**3,200,975**	**3,182,406**	**3,135,755**	**(18,569)**	**46,651**	**0**	**0**	**0**	**5,365,520**	**5,389,636**	**(24,116)**
f. Management Resrv.														85,581		
g. Total	**32,636**	**28,784**	**26,564**	**(3,852)**	**2,220**	**3,200,975**	**3,182,406**	**3,135,755**	**(18,569)**	**46,651**	**0**	**0**	**0**	**5,451,101**		

FORMAT 3, DD FORM 2734/3, BASELINE

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: 2013/01/28 b. TO: 2013/02/24

5. CONTRACT DATA

a. ORIGINAL NEGOTIATED COST	b. NEGOTIATED CONTRACT CHANGE	c. CURRENT NEGOTIATED COST (A + B)	d. ESTIMATED COST AUTH UNPRICED WORK	e. CONTRACT BUDGET BASE (C + D)	f. TOTAL ALLOCATED BUDGET	g. DIFFERENCE (E - F)
4,312,366	$1,139,271	$5,451,637	$0	$5,451,637	$5,451,101	$537

h. CONTRACT START DATE	i. DEFINITIZATION DATE	j. PLANNED COMPL DATE	k. CONT COMPLETION DATE	l. EST COMPLETION DATE
6/19/2008	6/19/2008	9/30/2018	9/30/2018	9/30/2018

6. PERFORMANCE DATA

ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE) SIX MONTH FORECAST +1 Mar-12	+2 Apr-12	+3 May-12	+4 Jun-13	+5 Jul-13	+6 Aug-13	FY09	FY10	FY11	FY12	OUT YEARS	UNDISTRIB BUDGET	TOTAL BUDGET
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
a. PM BASELINE															
(BEGIN OF PERIOD)	**1,846,023**	**34,393**	**32,713**	**33,164**	**40,952**	**30,346**	**29,393**	**39,843**	**653,426**	**960,017**	**1,002,105**	**428,688**	**2,320,784**	**0**	**5,365,020**
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
BCR-030-13-007R0 - Risk Realization at 200-W P&T During Operations													**500**		**500**
BCRA-030-13-008R0 - RL-30 Contract Milestone C.2.4.1.1-3 Date Correction															
BCRA-PRC-13-003R0 - Update PMB Contractor CLIN Coding															
BCRA-PRC-13-004R0 - Project Technical Services FOC Creation															**0**
c. PM BASELINE (END OF PERIOD)	**1,878,659**	**32,636**	**32,713**	**33,164**	**40,952**	**30,346**	**29,393**	**39,843**	**653,426**	**960,017**	**1,002,105**	**428,688**	**2,321,284**	**0**	**5,365,520**
7. MANAGEMENT RESERVE															**85,581**
8. TOTAL															**5,451,101**

Block 5.g "Difference" is attributable to incorporation of Contract Modification 256, which incorporates definitized Change Order 186, *Garnet Filter Media Removal Phase 1* .

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 4 - STAFFING

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2013 / 01 / 28
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2013 / 02 / 24
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO 9/18/2009	

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

FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative) SIX MONTH FORECAST +1 Mar (4)	+2 Apr (5)	+3 May (6)	+4 Jun (7)	+5 Jul (8)	+6 Aug (9)	SPECIFIED PERIODS REM FY13 (12)	FY14-18 (13)	AT COMPLETION (15)
30B - WBS 98 PSD Distribution											
011.A1 - Project Specific Distributables	0	1	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
030.A1 - Project Specific Distributables	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	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**
31 - Communications & Outreach											
000.1 - Communications & Outreach	6	571	7	6	7	6	6	7	7	423	1,040
	6	**571**	**7**	**6**	**7**	**6**	**6**	**7**	**7**	**423**	**1,040**
32 - Safety, Health, Security & Quality											
000.2 - Safety,Health,Security/Quality	55	4,195	55	49	50	49	49	49	49	2,589	7,134
	55	**4,195**	**55**	**49**	**50**	**49**	**49**	**49**	**49**	**2,589**	**7,134**
34 - Environmental Prog & Strategic Planning											
000.4 - Environmental Prog & Strategic Planning	19	1,093	19	18	18	17	17	18	18	957	2,174
030.2 - Envr Prog & Strategic Planning	21	1,523	18	23	15	24	20	15	19	1,696	3,353
	40	**2,616**	**37**	**40**	**33**	**41**	**37**	**33**	**36**	**2,653**	**5,527**
35 - Business Services											
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	72	4,153	67	63	64	62	62	63	63	4,222	8,818
011.9T - Ramp Up/Transition - Training	0	15	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	1
013.9T - Ramp Up/Transition - Training	0	11	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	272
030.9T - Ramp Up/Transition - Training	0	7	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	2
040.9T - Ramp Up/Transition - Training	0	18	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	1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	13
	72	**5,794**	**67**	**63**	**64**	**62**	**62**	**63**	**63**	**4,222**	**10,459**
36 - Prime Contract & Project Integration											
000.7 - Contract and Baseline Management	34	2,053	36	37	37	36	36	37	37	2,313	4,622
000.9 - Chief Information Officer	10	660	11	10	10	10	10	10	10	595	1,326
	44	**2,713**	**47**	**47**	**47**	**46**	**46**	**47**	**47**	**2,908**	**5,948**
38 - Project Technical Services											
000.F - Eng/Procurement & Construction	13	1,283	13	13	13	13	13	13	13	766	2,140
000.T - Proj Tech Svcs	17	1,540	17	16	16	16	16	16	16	1,002	2,655
030.3 - EPC - Groundwater	4	3,627	3	3	3	3	3	3	3	0	3,646
	33	**6,449**	**33**	**32**	**32**	**32**	**32**	**32**	**32**	**1,768**	**8,441**
39 - PS&S G&A Adder Offset											
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0
	0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
3B - PFP Closure											
011.1 - Plutonium Finishing Plant	445	29,241	470	388	390	386	386	388	388	13,657	45,694
	445	**29,241**	**470**	**388**	**390**	**386**	**386**	**388**	**388**	**13,657**	**45,694**
3C - W&FMP/D&D Project											
012.1 - 100 K Area Project	105	6,967	103	100	101	100	100	101	101	4,587	12,260
012.2 - Sludge Treatment Project	102	6,142	87	81	82	81	83	86	86	3,460	10,189
013.1 - Waste Management	300	32,656	296	288	289	288	289	292	292	22,399	57,089
040.1 - PRC D&D	0	7,528	0	0	0	0	0	0	0	1,256	8,779
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	35	2,279	38	38	39	38	38	38	38	2,324	4,872
041.1 - River Zone	17	6,897	23	19	19	19	19	19	19	4,365	11,399
042.1 - FFTF	7	609	5	5	5	5	5	5	5	413	1,057
	566	**64,420**	**552**	**532**	**535**	**530**	**534**	**541**	**541**	**39,292**	**107,474**
3D - Soil & Groundwater Remediation											
030.1 - Soil & GW Remediation	227	16,891	239	234	242	233	237	241	238	18,086	36,641
	227	**16,891**	**239**	**234**	**242**	**233**	**237**	**241**	**238**	**18,086**	**36,641**
Grand Totals:	**1,488**	**132,893**	**1,506**	**1,390**	**1,398**	**1,385**	**1,388**	**1,401**	**1,401**	**85,598**	**228,360**

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES

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 (YYYY/MM/DD)** 2013/01/28
b. LOCATION (Address and ZIP Code) Richland, WA 99354	**b. NUMBER** DE-AC06-08RL14788		**b. PHASE** Base	**b. TO (YYYY/MM/DD)** 2013/02/24
	c. TYPE CPAF	**d. SHARE RATIO**	**c. EVMS ACCEPTANCE** 2009/09/18 NO YES X	

	BCWS	BCWP	ACWP	SV in $	SV in %	CV in $	CV %	SPI	CPI
Current:	32,636	28,784	26,564	(3,852)	-11.8%	2,220	7.7%	0.88	1.08
Cumulative:	3,200,975	3,182,406	3,135,756	(18,569)	-0.6%	46,651	1.5%	0.99	1.01
	BAC	EAC	VAC in $	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,365,520	5,389,637	(24,116)	-0.4%	1.0	1.0			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-$3.9M) is primarily due to RL-0011 PFP Closure Project negative variance (-$1.8M) results from delayed PRF work efforts impacted by PRF canyon crane failure, process vacuum and transfer line removal efforts impacted by a management stop work associated with chemical lines and reformed field teams, deferred 242-Z D&D field work, actions to recover from a contamination event, outages which restricted intrusive D&D work activities, a safety stand down, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel. The RL-0012 negative variance (-$0.7M) is due to continued delay to concrete placement as a result of the 32 day Contractor Quality Assurance stand down. The delay in concrete placement has had negative impact on downstream activities (structural steel erection, electrical installation and building mechanical build out). Fabrication activities are also running behind schedule as the Contractor's main focus was to get construction activities re-started. The RL-0030 negative variance (-$0.6M) is due to 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. The RL-0041 negative variance (-$0.7M) is due to completion of waste site planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015.

Current Period Cost Variance: The Current Month favorable Cost Variance (+$2.2M) is Cost performance in February was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements.

Cumulative Schedule Variance: The Cumulative unfavorable Schedule Variance (-$18.6M) is within reporting thresholds.

Cumulative Cost Variance: The Cumulative Cost Variance (+$46.7M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+$23.7M) and prior year G&A/DD/PSD distribution variances (+$23.0M).

Impact:

Current Period Schedule: For RL-0011, the Current PMB Schedule reflects a field team reassigned to support PRF Miscellaneous Treatment glovebox removal, which mitigated the previous reported TPA Milestone delay. For RL-0012, Procurements are being prioritized to recover schedule variance and minimize impacts to overall schedule.

Current Period Cost: No significant impacts by PBS have been identified.

CTD Schedule: For PBS RL-0011, KPP - Given the schedule impacts to date and the remaining time to recover, the baseline completion date has slipped to October 1, 2014. Mandated sequestration reductions in FY2013, funding, and impacts to the assigned number of PFP D&D field work teams hinders the project's ability to continue working four field work teams to support completing the KPP glovebox work scope by May 2014. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field teams is pushing completion of follow-on work, impacting TPA Milestone M-083-00A. The current forecast is showing a 62 working-day delay to TPA Milestone M-083-00A, primarily driven by added chemical mitigation work scope delaying process vacuum removal in 234-5Z. The Current PMB Schedule reflects a field team reassigned in February to support PRF Miscellaneous Treatment glovebox removal, which mitigated the previous reported TPA Milestone delay. However, current field schedules do not yet reflect impacts resulting from reductions required by Government-mandated sequestration, to include reduced D&D field work teams. Schedule impacts are being evaluated and will be reflected in the April accounting period. The top ten critical float paths contain activities associated with process vacuum piping and process support equipment removal, 291-Z D&D and stack demolition, 234-5Z final filter removal and grouting of cavities/penetrations, D&D 242-Z, and RMA/RMC Line D&D. As a result of reduced funding, slightly offset by implementation of breakthrough initiatives, the FY2013 Baseline Update reflects an impact of a one-year delay from the PMB3 Baseline Plan that was submitted in November 2011. Due to FY2013 and FY2014 funding constraints and schedule impacts experienced in FY2013, completion of TPA Milestone M-083-44 by 9/30/2015 is not achievable. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015 - Forecast: June 8, 2016. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016 - Forecast: January 3, 2017. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&M Plan to Ecology. Due: June 30, 2016 - Forecast: June 30, 2016. No other significant impacts have been identified.

CTD Cost: For PBS RL-0011, FY2013 resources have been reduced, in accordance with DOE-RL notice of the revised annual funding due to sequestration. The EAC includes the cost of extending level-of-effort services, consistent with delayed activities in support of completing TPA Milestone M-083-00A. The EAC does not yet reflect life-cycle sequestration impacts. In RL-0013, RL-0040, RL-0041 and RL-0042, under runs are forecast based on efficiencies, partially offset by roof repair expected later this fiscal year in RL-0042.

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-0011, 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. Last Month: PFP management is investigating the cost/benefit of assigning an additional field work team to the added chemical mitigation work scope. Status: Effective April 1, 2013, D&D field work teams will be reduced, due to sequestration reduced funding. Teams are being assigned, based on highest-risk work scope - CLOSED. 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. UPDATE: In light of sequestration and resulting furloughs, management has determined it makes sense for PFP to return to a 8x9's work schedule, effective 3/18/13 - CLOSED. 3. Manager/Supervisor job listings were posted to hire D&D Field Work Supervisors and Electrical/Maintenance PICs. Last Month: 1 FWS and 1 PIC hired. Status: One D&D FWS was hired this period - COMPLETE. 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. Status: Planning complete. BCR placed on hold, due to sequestration - CLOSED. 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. Status: In progress. 6. Planning for Room 172 bulk area cleanout to be performed by Operations personnel - CLOSED. 7. Sequestration impacts to the PFP project, life cycle, will be identified and work scope/resources prioritized to achieve the least impact to the slab-on-grade completion date. (ECD: April 2013). 8. DOE-RL and CHPRC will participate in a value engineering (VE) session in April. A VE Study will be issued, identifying initiatives to be pursued by the project (ECD: May 2013). No other corrective actions are required.

CTD Cost: For RL-0030, Cost overruns for the 200 West Pump-and-Treat System are being addressed and additional funding will be identified as required. For RL-0041, 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 February was primarily attributed to:

- RL-0011 - Due to delayed PRF work efforts impacted by PRF canyon crane failure, process vacuum and transfer line removal efforts impacted by a management stop work associated with chemical lines and reformed field teams, deferred 242-Z D&D field work, actions to recover from a contamination event, outages which restricted intrusive D&D work activities, a safety stand down, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.
- RL-0012 - Due to continued delay to concrete placement as a result of the 32 day Contractor Quality Assurance stand down. The delay in concrete placement has had negative impact on downstream activities (structural steel erection, electrical installation and building mechanical build out). Fabrication activities are also running behind schedule as the Contractor's main focus was to get construction activities re-started.
- RL-0030 - Due to 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 - Due to completion of waste site planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015.

Cost performance in February was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements. Realized efficiencies were partially offset by:

- RL-0011 - Unplanned chemical mitigation scope, and the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work. This is offset by lower need for personal/respiratory protective equipment due to deferred breathing-air work scope, reduced time on tools, and no overtime worked.
- RL-0012 - Costs for Construction Management of the Modified KW Annex associated with schedule delays described above (CM performance is based on completion of fieldwork – apportioned effort).

Corrective actions for PFP, RL-0011, include continued use of overtime for specific priority work scope to recover schedule slippage, assigning D&D field work teams based on highest-risk work scope, and use of value engineering. Sequestration impacts are being evaluated and work scope/resources prioritized to achieve the least impact to the slab-on-grade completion date. Corrective actions for STP, RL-0012, which include prioritization of design changes and procurements to recover schedule, are under further review as a result of suspension of project work in FY13 due to sequestration. No other corrective actions are required.

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a negative -$24.1 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 5, DD FORM 2734/5, EXPLANATION AND PROBLEM ANALYSIS

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

CPs - In Process		
	Total Authorized Unpriced Work	$0.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	$0.0

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
BCR-030-13-007R0	Risk Realization at 200-W P&T During Operations	2013	$500K
$500K of Management Reserve was utilized in February 2013.			

Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the BAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

Prepared by:	Date:	Approved by:	Date:
Project Control Staff	3/18/2013		

(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)

CH2MHILL
Plateau Remediation Company

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

M. A. Wright
Vice President for
Project Technical
Services

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

February 2013
CHPRC-2013-02, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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	45%
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	0	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 February, the CHPRC Functional Program organizations continued with no recordable injuries, have accumulated over 1,917,718 person hours worked without a recordable injury (two years and eight months), and over 3,121,747 person hours worked (four years and five 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.
    - Continued working with other site contractors to establish a consistent approach to ladder inspections, scaffold training, and use of personal protection equipment.
    - Conducted internal VPP assessments at the Project level using the GAP Analysis Tool.
    - Presented the VPP business case to Project VPs.
    - Continued efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
    - Continued support to Plutonium Finishing Plant (PFP) with the issuance of a negative exposure analysis for Nitric Acid.
    - Completed annual review of the CHPRC Worker Safety and Health Program for 10 CFR 851.
    - Continued participation in the joint site contractor RL Hazard Identification and Control Mentoring Assessment.
    - Developed Computer Based Training for Hearing Conservation and Asbestos Awareness.
    - Continued planning efforts in support of the Hanford Site Safety Expo.

- Radiological Control accomplishments:
  - Continued to support site-wide Radiological Control committees.
  - Drafted company level procedure designed to improve radiological survey process for heavy equipment and leased/rented equipment.
  - Provided support to DWF&RS personnel for troubleshooting issues associated with Personnel Contamination Monitors (PCMs).
  - Verified Radiation Generating Device (RGD) survey frequencies listed in PRC-PRO-RP-40401, *Radiation Generating Device Control*, meet applicable industry standards.
  - Provided support for EP Drill program.
- Nuclear Safety deliverables prepared and transmitted to RL in February include:
  - Documented Safety Analysis:
    - Letter, CHPRC-1300318, dated February 6, 2013, *Transmittal of the 2013 Annual Update to the 224-B Facility Documented Safety Analysis, CP-18179, Revision 7, and the Unreviewed Safety Question Determination Summary*.
    - Letter, CHPRC-1202189 R4, dated February 11, 2013, *Revision to the Implementation of the Final Hazard Categorization for 105-K East Reactor Building.*
    - Letter, CHPRC-1300461, dated February 22, 2013, *Transmittal of Unreviewed Safety Question Process, PRC-PRO-NS-062, Revision 2, for Review and Approval*.
  - Nuclear Safety deliverables received from RL in February include:
    - Letter, 13-SED-0027, dated February 1, 2013, *Transmittal of the Annual Update to the Documented Safety Analysis (DSA) for the U Plant Facility, HNF-13829, Revision 5, and the Unreviewed Safety Question (USQ) Determination Summary*.
    - Letter, 13-SED-0034, dated February 6, 2013, *Transmittal of the Richland Operations Office (RL) Review of the Plutonium Finishing Plant (PFP In-Situ Non-Destructive Assay (NDSA) Program (A-13-SED-NDA-006)*.
    - Letter, 13-SED-0032, dated February 8, 2013, *Transmittal of the Annual Update to the Plutonium-Uranium Extraction (PUREX) Facility Documented Safety Analysis (DSA), CP-14977, Revision 6*.
- Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
  - 224 Conditions Reports were screened in February:
    - 0 Significant
    - 3 Adverse
    - 93 Tract Until Fixed (TUF)
    - 43 Trend Only (TO)
    - 82 Opportunity for Improvement (OFI)
    - 3 Screened Out (factually inaccurate, duplicative of existing CRs)
  - Coordinated activities for the six-person EM-42 assessment team on site to evaluate conduct of operations; work planning and control; radiological protection; and the CHPRC Contractor Assurance System (CAS). More than 150 documents were provided for the team's review prior their arrival on site. Individuals were assigned to provide ongoing support during the first week of their visit.
  - The third Quarter Startup Notification Report was submitted and approved by RL. No items were identified as requiring startup readiness action during the projected 12 month window.
  - Completed 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). Two CRs were issued related to aspects of the Nuclear Accident Dosimetry Program at PFP; both were determined to be Track Until Fixed actions.

  - Completed SHS&Q-2013-SURV-11919, *Quarterly surveillance of completed assessment activities*. The assessment rolled up the results of Management Assessment and Work Site Assessment (WSA) evaluation activities completed during the previous quarter.
  - Continued update of the CHPRC Startup Readiness procedures to address comments raised by the DNFSB and DOE-Headquarters, and 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.*
- Quality Assurance accomplishments:
  - Submitted Form II corrective action plans for the issues identified during the Office of Civilian Radioactive Waste Management (OCRWM) headquarters periodic audit.
  - Provided the first of two Commercial Grade Dedication (CGD) practical application training exercises to all the QA staff.
  - Provided support to the CHPRC CGD quality improvement team.
  - Provided technical support to Sludge Treatment Project on the CGD of fire system components.
  - Provided technical support to PFP on the upgrade of a number of facility ventilation system components.
  - Provided training to the Procurement organization on Graded Approach and CGD.

- Status of SHS&Q Focus Areas:
  - **Issue:** Beryllium program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
    Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.
    Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP.
  - **Issue:** Supporting new Project Technical Services organization.
    Status: Transitioning Emergency Preparedness, Fire Protection, Work Control, and Conduct of Operations.
    Action: On schedule for March completion.

Environmental Program and Strategic Planning (EP&SP)

- **Environmental Protection**
  - **Compliance Item Status – Asbestos:**
    - A second site-wide NESHAPs training course was organized and held in February 2013.
    - Continued to support RL and projects on asbestos removal requirements.
    - Met with HAMTC safety and bargaining unit representatives regarding closure of the asbestos stop work. The stop work closeout letter was signed by the steward and contractor senior management.
- **Central Waste Complex Box and WRAP Drum Leak Enforcement:**
  - CHPRC, RL, EPA and Ecology agreed to resolve compliance allegations through two Agreed Orders (AO), one that addresses alleged RCRA permit issues and the other that addresses allegations relating to a release from the drum at WRAP, and the CWC concrete box, and a set of TPA milestones. Issues not specifically mentioned in the AOs would be included in a series of new TPA milestones. Ecology requested that RL revise Part A permits for the SWOC facilities. These documents will be reviewed by all parties and, once acceptable, Closure Plans for the same units will be drafted. Discussions on the AOs and revised permit sections continue.

- **Environmental Compliance & Quality Assurance (ECQA)**
  - **Assessments Completed in February**
    - Environmental Compliance Inspection of Ozone-depleting Substance Criteria was completed identifying two OFI's.
      - OFI #1 – Environmental Protection documents should be updated to include current requirements.
      - OFI #2 – PFP should contact the MSA refrigeration Services to review excessed appliances that could contain ODS.
    - Environmental Compliance Inspection of Universal Waste – One Finding was identified.
      - Finding #1 – "Recycle-Battery Collection Requirements" posters contained inconsistent information or were missing.
    - Environmental Compliance Inspection of RCRA 90-Day Storage and SAA was completed with one finding and one OFI identified.
      - Finding #1 (Minor) – Inspection and Satellite Accumulation Area Inspection Forms were not being completed per procedure (using form but incomplete fields, non-record material recorded on record, incomplete records).
      - OFI # 1 – Remove 90-Day clock signs from Trench 31/34 as they are not being used and they cause confusion with procedure requirements.
    - Work Site Assessment of Cultural Resources at K-Basins was completed – Identifying no issues.
    - MOP was completed included a field walk down of MASF with no issues identified.
  - **Assessments in Process**
    - EQA Surveillance of the 100KW Qualified Process: Sludge Removal End-Point Criteria was extended until April 30, 2013.
    - Independent Assessment of CERCLA Removal Actions is in the review process and will be completed by March 30, 2013.
    - Environmental Compliance Inspection of Toxic Air Permitting is in the review process and will be completed March 8, 2013.
    - Management Assessment of WIDS is in process to be completed by March 30, 2013.
  - **Assessments upcoming this Quarter**
    - ECI of NEPA & State NEPA
    - ECI of Site Walkdown Follow-up
    - ECI of EPCRA
    - Internal IA of EMS
    - Surveillance of Software Management of EDM Applications.

Business Services

- **Acquisition Planning**
  - Initiated detailed Sequestration Planning including Restructure Plan, Furlough Plan/Procedure, HAMTC impacts, and Subcontract Scope impacts.
- **Facilities and Property Management**
  - The FY2013 physical inventory of Government property was set with a baseline of 5,073 items valued at $119,552,762. The inventory commences on March 4, 2013.
- **Material Services**
  - Revised annual P-Card Training was put into production. All Cardholders and nearly all Approving Managers completed the training.

- Working to initiate a paperless P-Card documentation process. A pilot program will begin once the necessary software tools are in place.
- A significant number of respiratory protection items were sent from storage to PFP. This results in a cost savings to the PFP project.

- **Procurement**
  - For the month of February 2013, the Procurement group awarded 30 new contracts with a total value of $1.0M, amended 85 existing contracts with a total value of $2.2M, for a grand total of $3.2M. Additionally, awarded 320 new material Purchase Orders valued at $493K to support ongoing project objectives.
  - At the end of the first 53 months of the PRC, procurement volume has been significant; $2.03B in contract activity has been recorded with approximately 48.7%, or $989M, in awards to small businesses. This includes 6,110 contract releases, 14,620 purchase orders, and 212,465 P-Card transactions.
  - Preparation for the April Procurement System Review (PERT review) continued in February. The CHPRC Self-Assessment Checklist was provided to the PERT team and copies of over 180 procedures, process guides and examples of outreach and raining activities were made available to the team for review. Internal file self-assessment is continuing and preparations for hosting the team are in place.
  - The Option Period DWF&RS Request for Proposal was issued to potential bidders and uploaded the Procurement external website. This will be the single largest solicitation for the option year period.

Prime Contract and Project Integration (PC&PI)

- In February, Prime Contracts received and processed five (5) contract modifications (numbers 256, 258, 259, 260, and 261) from RL. Correspondence Review received and determined the distribution for 36 incoming letters/documents from RL and the Contract Compliance Manager reviewed 24 outgoing correspondence packages.
- Prime Contracts worked with the Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) Project on a formal notifications of change to RL on 400 Area WMU's Inspections.
- The Estimating & Program Support actives for the month are described below:
  - **DWF&RS Project**
    - Provided review and estimating opinion on the rough order magnitude cost estimate that was prepared for the planning concept for the Waste Encapsulation and Storage Facility K1/K3 ventilation retirement/repair. CHPRC is providing an option recommendation to RL on an approach that will minimize risk to the environment and the cost of replacing the existing systems.
    - Reviewed an estimate associated with a Request for Service associated with soil characterization work at the Puget Sound Naval Shipyard Trench 91.
  - **Sludge Treatment Project (STP)**
    - As noted in prior reports, continued review of change orders and estimated cost for design changes associated with the 100K Area Annex construction. Staff estimators continue to develop cost estimates for new / proposed changes, 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 RL.

- **PFP Closure Project**
  - Continued work with the project on identification and documentation of the impacts related to potential contract changes.
  - Provided estimate in support of a Request for Service to ship surplus equipment to Los Alamos National Laboratory.
- **S&GW Project**
  - Completed the development of an estimate and Change Proposal in response to Change Order #202, "New ROD for 200-UP-1 RD/RAWP"
  - Conducted a kick-off meeting for Change Order #221, "100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network". Note: work on this proposal was suspended on March 4, 2013 due to the implementation of Sequestration.
- **Safety, Health, Security, & Quality (SHS&Q)**
  - Completed the development of 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.
  - Conducted a kick-off meeting and provided a rough order magnitude cost estimate for Change Order #206, "Hanford Radiological Health and Safety Document, Revision 1". The associated proposal is due April 5, 2013.

- Activities associated with Sage/Timberline estimating software and estimating system administration included:
  - Completed a Work Site Assessment PC&PI-2013-WSA-12907, which reviewed the validation associated with a recent Sage Estimating rate configuration update. No issues were identified by the assessment.
  - Held a kickoff meeting with CH2M Hill Sage Estimating Subject Matter Expert and LMSI on February 11 to discuss the processes necessary to begin discussions on upgrading Sage Estimating version 9.8 (pervasive engine) to version 13.1 (SQL).
- During February, Contract Compliance and Change Management supported the CHPRC Interface Management function by supporting efforts towards development of 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.
- Coordinated efforts associated with impacts from sequestration
- Provided an annual funding update to RL due to the sequester
- Coordinated efforts associated with planning and tracking company furloughs

Project Technical Services (PTS)

- **Fire Protection**
  - The Fire Protection Engineering Group issued two Fire Marshal Permits, conducted three assessments, and three facility/site surveillances. Additionally, seven fire system restrictions/emergency impairments were identified. Emergency impairments were corrected within 24 hours of date/time of discovery. However, two of the identified system restrictions are beyond the 15- day repair time frame and remain in a restricted status.
- **Emergency Preparedness (EP)**
  - Fourteen drills were performed in February, of which, seven were operational drills.
  - Supported RL with Defense Nuclear Facilities Safety Board (DNFSB) visit to Waste Encapsulation Storage Facility (WESF) on February 20, 2013.

- **Operations Program**
  - Pre-job briefing process improvements have been developed and are in review with the Conduct of Work Mentors and their respective project Field Work Supervisors.
  - Supported DOE EM-42 Conduct of Operations and Work Control assessment at 200W Pump and Treat and ETF/CSB/WESF.
  - Issued an update to PRC-GD-WKM-12116, Work Planning Guide, to support implementation of DOE-0359, Hanford Site Electrical Safety Program.
  - Supported WESF and 100K on follow-up efforts from Lockout/Tagout events.
- **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.
- **Engineering, Projects and Construction (EPC)**
  - The KW Annex Project was notified that its funding will be greatly affected due to anticipated sequestration budget cuts. A site walk down was scheduled/performed and project lay-up safe condition activities were identified. On March 7, 2013, the project started putting the construction site in a safe condition. This includes removal of the concrete forms, verification that all conduits and piping systems are capped, backfill of certain key areas, and relocation of material and equipment to controlled storage. In specific areas, installations will continue for a short time to allow backfill of open excavations. The field work is expected to take over 20 days to complete.
  - Central Engineering (CE) completed the technical evaluation of PFP's HEPA filter rooms FR-312 and 315. The technical evaluations were submitted to RL for concurrence in accordance with PRC-PRO-EN-24208, HEPA Filter System Degradation Evaluation Process.
  - CE presented the Delta Design Review RCR comments for the (STP) Engineered Container Retrieval and Transfer System (ECRTS) at the February 28, 2013 Design Review meeting.
  - Planning has been initiated for the STP ECRTS Project Review Board (PRB). Multiple meetings have been held with Project Team members, CHPRC Senior Management, and potential PRB team members.
  - CE met with RL and the KE Project team to present the final engineering report, "Structural Evaluation of the 105-KE Reactor Stability Due to Soil Excavation Around the Walls". This engineering report was prepared in response to the differing conditions identified by CHPRC that the soil around the four sides of the reactor had been excavated to a depth of 16 to 20 feet below grade.
  - 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 has started a technical evaluation, in support of PFP, of the 236-Z filter banks B, C, and D. The filters are nearing their 10 service life, but an additional 3 months is required on their service life to replace all of the HEPA filters in these filter banks.
  - CE provided technical support to CHPRC QA in performing surveillance on STP contractors providing structural steel fabrication for the Annex building.
  - The 100K Water Treatment Facility Evaporative Cooler is set in place on the concrete pad, the electrical and piping procurement has been initiated, and the electrical wire and conduit installation is 90% complete, pending final tie-in and NEC inspection. The NEC inspection is planned for March 12, 2013.
  - A Request for Proposal was issued for the Trench 94 Soil Sampling for performance of the

geotechnical analysis of the Trench soil. Technical evaluation of the proposal is in process. Sub surface scanning was completed for issuance of an excavation permit. Controlled Density Filled (CDF) is the proposed material to backfill the soil test pits. CE is working with the facility Design Authority to specify requirements and performance of the CDF. The CDF supplier is performing CDF strength tests. Test cylinders of CDF are curing for collection of empirical break data. Strength tests are planned for test cylinders with a 3 day, 7 day and 14 day cure.

- CE participated in a follow-up Parent Oversight Organization Committee (POOC) review of the NSTec Engineering program and organization. The review was performed the week of February 18, 2013; team members represented each of the major NSTec contract partners (CH2M Hill, Northrup-Grumman, and B&W).
- CE assisted STP ECRTS with final validation of the logic and control system on the Retrieval/Transfer System Control Panel (ECRT-PNL-201) due to the addition of smart relays. The validation was successful and met specified operational requirements. Smart relays are replacing conventional relays to reduce wire counts/routing during construction.
- CE participated in the ASME Code On Nuclear Air & Gas Treatment (CONAGT). The PRC HEPA/HVAC Subject Matter Expert's application for membership to the FC (HEPA filter) project team of ASME AG-1 was accepted; DE Schoepflin is now a member of the committee.

Communications

- **Internal**
  - Produced four issues of the Weekly Update, including manager blogs from Moses Jaraysi, Environmental Program & Strategic Planning; Ty Blackford, Decommissioning, Waste, Fuels & Remediation Services; and Terry Vaughn, Safety, Health, Security & Quality.
  - Produced two episodes of InSite, the biweekly news broadcast, which includes segments on efficiencies in emergency response trailers, ethics, CHPRC Voluntary Protection Program, and Environmental Management System.
  - Supported the Decommissioning, Waste Fuels & Remediation Services and Emergency Preparedness teams in developing a video to highlight worker-driven efficiencies and safety improvements implemented with a series of emergency response trailers.
- **Media**
  - Supported RL with media inquiries regarding the Plutonium Finishing Plant, REDOX, K West Basin, and collective bargaining negotiations.
  - CHPRC progress in preparing the K East Reactor for interim safe storage was featured on the RL social media sites as well as in the Tri-City Herald.
  - Provided video and photo coverage for RL social media sites, including PFP workers receiving a VPP award for involvement in respiratory protective equipment use and CHPRC's community outreach.
- **Public Involvement**
  - Supported the Senior Executive Committee (SEC) meeting held on February 12, 2013 at the Pasco Red Lion. The meeting included an open discussion on priorities and efficiencies in light of the current budget outlook and a discussion on the status of the Agreed Orders currently being developed to resolve waste storage and handling compliance issues.

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	11.7%
Safety, Health, Security and Quality	1.3	1.3	1.0	0.0	0.0%	0.1	12.3%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-13.0%
Business Services	1.6	1.6	1.7	0.0	0.0%	(0.1)	-7.7%
Prime Contract and Project Integration	1.6	1.6	1.5	0.0	0.0%	0.1	4.9%
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	0.1	16.0%
Indirect WBS 000 Total	**5.3**	**5.3**	**5.1**	**0.0**	**0.0%**	**0.2**	**2.9%**

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/+2.9%)

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	0.4	0.4	0.4	0.0	0.0%	(0.0)	-0.3%	1.0
Safety, Health, Security and Quality	5.6	5.6	5.5	0.0	0.0%	0.1	2.6%	14.3
Environmental Program and Strategic Planning	1.5	1.5	1.6	0.0	0.0%	(0.1)	-9.5%	3.9
Business Services	8.0	8.0	8.2	0.0	0.0%	(0.2)	-2.0%	20.2
Prime Contract and Project Integration	8.0	8.0	7.7	0.0	0.0%	0.4	4.7%	21.3
Project Technical Services	2.7	2.7	2.4	0.0	0.0%	0.3	10.8%	6.9
Indirect WBS 000 Total	**26.3**	**26.3**	**25.8**	**0.0**	**0.0%**	**0.5**	**2.0%**	**67.6**

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: (+$0.5M/+2.0%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-13-003R0 – *Update PMB Contractor CLIN Coding*

BCRA-PRC-13-004R0 – *Project Technical Services FOC Creation*

FY2013 G&A Analysis ($M)

WBS 000 Project Services and Support	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY 2013 BCWS	FY 2013 Forecast	FY 2013 Variance (O)/U
				FY2013		
General & Administrative (G&A)	**26.3**	**25.8**	**0.5**	**67.6**	**64.8**	**2.8**
Communications	0.4	0.4	(0.0)	1.0	1.0	(0.0)
Safety, Health, Security and Quality	5.6	5.5	0.1	14.3	13.0	1.3
Env. Program & Strategic Planning	1.5	1.6	(0.1)	3.9	3.7	0.1
Prime Contract and Project Integration	8.0	7.7	0.4	21.3	20.3	1.1
Business Services	8.0	8.2	(0.2)	20.2	20.4	(0.2)
Project Technical Services	2.7	2.4	0.3	6.9	6.4	0.5

	FYTD	FY2013
G&A Distribution	**(23.4)**	**(59.3)**
G&A Liquidation (Over)/Under	**2.4**	**5.5**

Liquidation Analysis

- For FY2013, Project Services and Support (PS&S), consists of only General and Administrative (G&A) accounts. Fiscal year to date through February, application of the G&A rate has under-liquidated total to date G&A costs by $2.4M. The FY2013 year end projected liquidation assumes a decrease in the G&A base and an decrease in the projected G&A costs, which results in a year-end under-liquidation projection of $5.5M.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement Revision 6, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than $4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than $6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year end.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.