CH2MHILL
Plateau Remediation Company

Monthly Performance Report

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

October 2012

CHPRC-2012-10, Rev. 0

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EXECUTIVE SUMMARY

- October 2012 marked the beginning of CHPRC's fifth fiscal year as the prime contractor for the U.S. Department of Energy's Plateau Remediation Contract. The company held a series of all-employee meetings to kick off the new fiscal year.
- CHPRC crews completed safe removal of the largest glovebox yet. The team separated the two-story, 10-ton glovebox into two pieces before removing it from the Plutonium Finishing Plant (PFP). With this glovebox removed, the team has removed approximately 75 percent of the total gloveboxes at PFP.

Removal of glovebox HA-23S, the largest CHPRC has removed from PFP

- The Sludge Treatment Project (STP) continued Annex construction activities at 100K, with a major focus on preparation for concrete placement for the building footings. In addition, personnel continued preparation for the Integrated Process Optimization Demonstration (IPOD) scheduled to commence early in calendar year 2013.
- The Soil & Groundwater Remediation Project (S&GRP) team closed out a record-breaking year, having treated more than 1.2 billion gallons of contaminated ground water in fiscal year 2012, more than ever before and surpassing their 1-billion gallon target.
- The 200 West Pump-and-Treat (P&T) system was recognized with a RL Environmental Management Achievement Award. CHPRC initiated drilling for a series of wells to support the system.
- In the 100K Area, crews are busy inside and out of the K East Reactor, continuing concrete pourbacks to close openings above and below grade while also continuing cleanout of the interior of the reactor building.

CHPRC is closing openings around the K East Reactor building.

- Decommissioning and Demolition (D&D) crews continued work along the River Corridor, completing six waste sites, including 100-K-3, 100-K-68, 100-K-69, 100-K-70, 100-K-71, and 100-K-36.

Focus on Safety

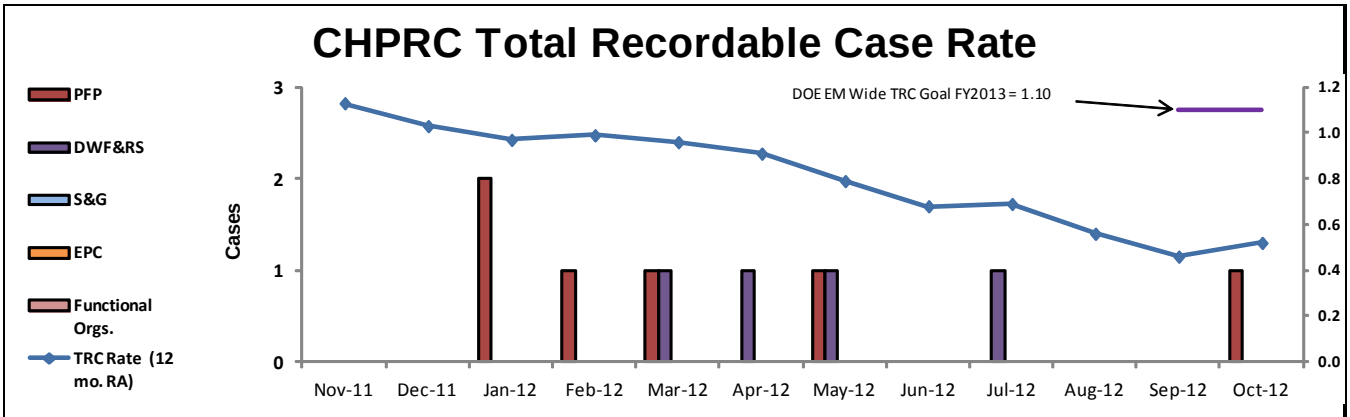
- The Soil and Groundwater Remediation Project (S&GRP) hosted the October 2012 President's Zero Accident Council (PZAC) meeting. October is the month where Fire Prevention Week is recognized and the three primary ideas for the meeting addressed fire safety related topics:
  - Fire Safety – Two Ways Out
  - Electrical Cord Safety – Plug It Right
  - Changes That Come With Daylight Savings

  Following an energetic Stretch and Flex session that ignited the audience's attention, a representative from the Hanford Fire Department discussed how to "*Get Out Safely*" during a fire. The presentation burned salient points into the minds of the listeners by reiterating the lifesaving message that every family should have a fire escape plan, that good plans provide two ways out, and effective plans are practiced. The next presentation sparked interest by providing tips on preventing electrical fires by using and inspecting the proper equipment. A reminder on taking advantage of Daylight Savings as a means of kindling consistent fire safety practices was presented and included pointers on testing smoke and fire alarms, checking flashlight batteries, and replacing furnace filters. Timely reports on the use of reflective clothing for low visibility periods and knowing the habits of deer and elk movements made an impact on how to avoid impacts. The embers of safety kept glowing through the remainder of PZAC by sharing information on the CHPRC injury and illness performance, the Environmental Management System, and the Voluntary Protection Program.
- Injury and illness milestones achieved in October:
  - Over one million safe hours without a DART injury/illness for CHPRC, the Engineering, Projects and Construction Project, and the Waste & Fuels organization within Decommissioning, Waste & Fuels and Remediation Services Project.
  - Over one million safe hours without a recordable or DART injury/illness for the S&GRP.
  - Over one million safe hours without a recordable and over two million hours without a DART injury/illness for the Functional Organizations (Safety, Health, Security & Quality/Environmental/ Business Services).
- In addition to two *Special Safety Bulletins* on Respirator Cartridge Spark Guards and lessons learned from Ladder Events, five "*Thinking Target Zero*" bulletins were issued in October to convey integral fire and occupational safety and health messages:
  - Fire Prevention Week
  - Spill Prevention
  - The Flu Vaccine
  - Environmental Management System
  - End of Daylight Saving Time
- The *Weekly Safety Tailgate* briefing packages in October communicated relevant topics and safety to the workforce:
  - Updates on the Hanford Site Respiratory Protection Program
  - National Cyber Security Awareness
  - Reporting Suspicious Activity
  - Vehicle Safety

- Central Badging Operations
- Controlling Respiratory Equipment
- Safety Postings
- Proper Disposal/Recycle of Household Waste
- Hanford Site Recycle Locations
- Flu Shot Clinics
- Venomous Spiders in the Region
- The Global Harmonization Program
- Pet Health and Safety
- Cold Weather and Fire Alarms
- Winter Safety
- Halloween Safety
- Improving Lives Through Charitable Giving
- Summaries of injuries, illnesses, and close calls

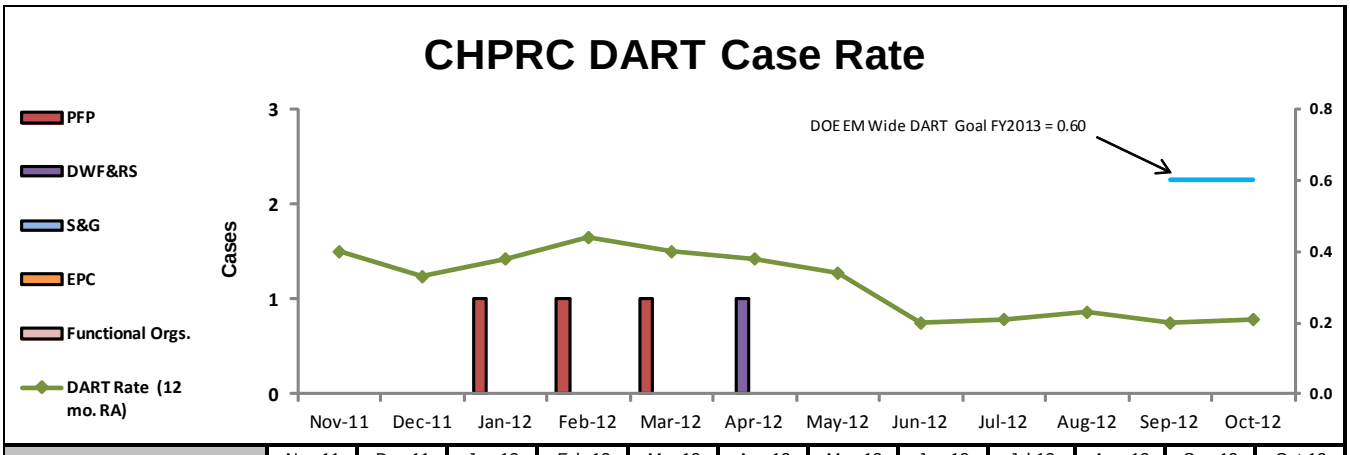
TARGET ZERO PERFORMANCE
October 2012

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



	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
PFP	0	0	2	1	1	0	1	0	0	0	0	1
DWF&RS	0	0	0	0	1	1	1	0	1	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	**0**	**0**	**2**	**1**	**2**	**1**	**2**	**0**	**1**	**0**	**0**	**1**
TRC Rate (12 mo. RA)	**1.13**	**1.03**	**0.97**	**0.99**	**0.96**	**0.91**	**0.79**	**0.68**	**0.69**	**0.56**	**0.46**	**0.52**

Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.52 is based upon a total of ten recordable injuries. There was one Recordable case in October 2012; An employee discovered nitric acid in an open area and experienced respiratory distress.

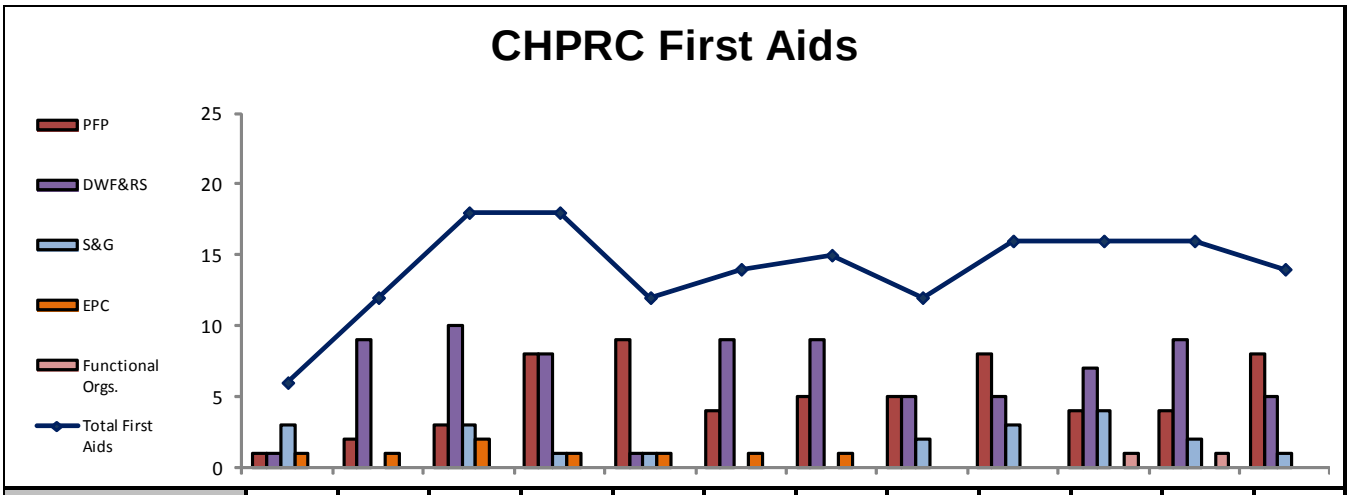


	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
PFP	0	0	1	1	1	0	0	0	0	0	0	0
DWF&RS	0	0	0	0	0	1	0	0	0	0	0	0
S&G	0	0	0	0	0	0	0	0	0	0	0	0
EPC	0	0	0	0	0	0	0	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
DART Cases	**0**	**0**	**1**	**1**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**
DART Rate (12 mo. RA)	**0.40**	**0.33**	**0.38**	**0.44**	**0.40**	**0.38**	**0.34**	**0.20**	**0.21**	**0.23**	**0.20**	**0.21**

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.21 is based upon a total of 4 cases (1 Restricted, 3 Days Away Cases). There were no DART cases for October 2012. There are three cases under review requiring additional information.

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.



	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12
PFP	1	2	3	8	9	4	5	5	8	4	4	8
DWF&RS	1	9	10	8	1	9	9	5	5	7	9	5
S&G	3	0	3	1	1	0	0	2	3	4	2	1
EPC	1	1	2	1	1	1	1	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	1	1	0
Total First Aids	**6**	**12**	**18**	**18**	**12**	**14**	**15**	**12**	**16**	**16**	**16**	**14**

First Aid Case Summary – CHPRC reported 14 first-aid cases in October 2012. The biggest contributors were five strains, sprains, and/or pains from awkward positions or overexertion, five chemical exposures, and two abrasions/contusions from contact/being struck by an object. The other injuries were varied.

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.

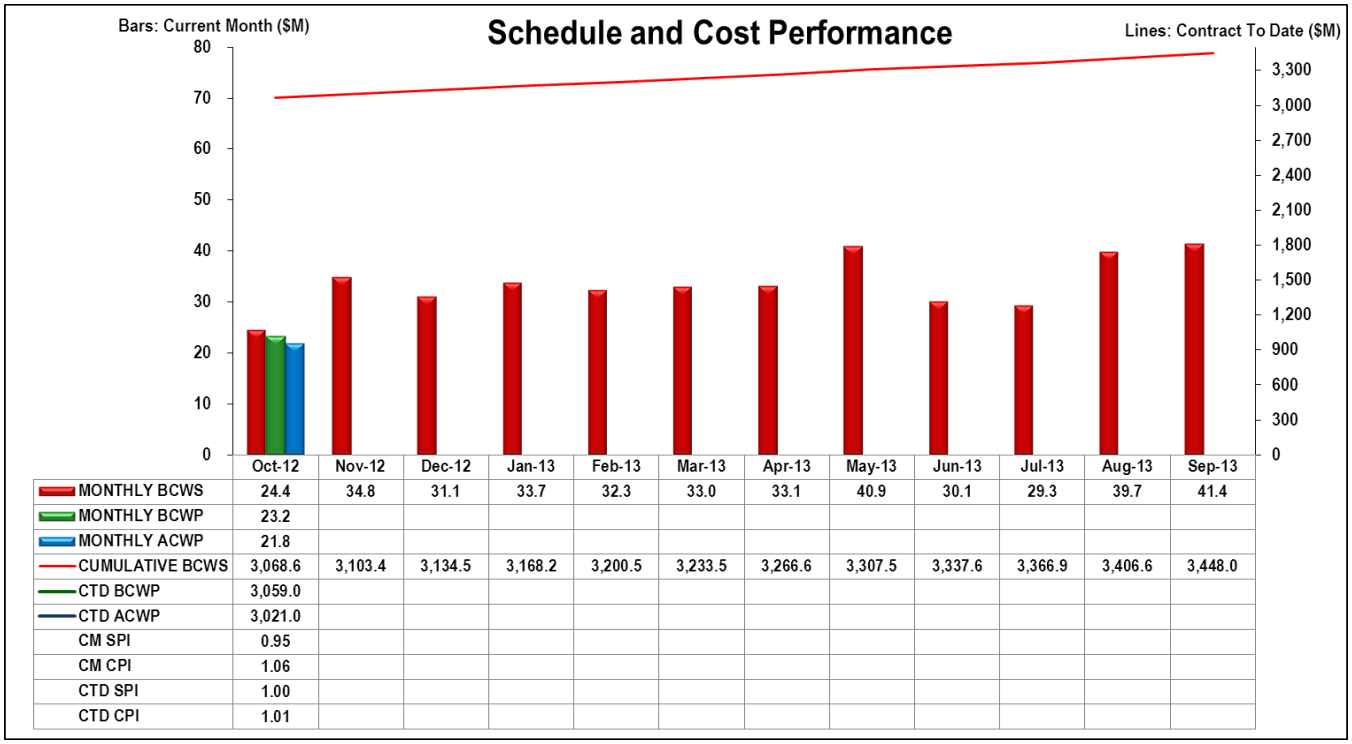
MAJOR ISSUES

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

METRICS

Measure/Units	PBS	Oct	Nov	Dec	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	FYTD	Contract-To-Date
Nuclear Facility Completions (# of facilities)	11/40/41	0	0	0	0	0	0	0	0	2
Radiological Facility Completions (# of facilities)	11/40/41	0	0	0	0	0	0	0	0	9
Industrial Facility Completions (# of facilities)	11/40/41	0	0	0	0	0	0	0	0	43
Remediation Complete (# of release sites)	40/41	6	0	0	6	0	0	0	6	32
PRF Canyon Pencil Tanks Removed	11	5	0	0	5	0	0	0	5	100
MultiCanister Overpacks Shipped	12	0	0	0	0	0	0	0	0	1
Settler Tubes Retrieved	12	0	0	0	0	0	0	0	0	10
Knock Out Pot MCOs Shipped	12	0	0	0	0	0	0	0	0	5
Sludge Transportation & Storage Canisters Shipped	12	0	0	0	0	0	0	0	0	0
CH Transuranic Waste shipped for disposal at WIPP (cubic meters)	13	0	0	0	0	0	0	0	0	0
Low level and Mixed Low-Level Waste Disposal (cubic meters)	13	0	0	0	0	0	0	0	0	2,885
WESF K3 Filter Measurements	13	1	0	0	1	0	0	0	1	25
SW Ops Complex Container Inspections	13	3	0	0	3	0	0	0	3	107
Contaminated Groundwater Treated (million gallons)	30	126	0	0	126	0	0	0	126	3,301
Preventive Maintenance Packages Completed	40	38	0	0	38	0	0	0	38	951

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	34.8	31.1	33.7	32.3	33.0	33.1	40.9	30.1	29.3	39.7	41.4
MONTHLY BCWP	23.2											
MONTHLY ACWP	21.8											
CUMULATIVE BCWS	3,068.6	3,103.4	3,134.5	3,168.2	3,200.5	3,233.5	3,266.6	3,307.5	3,337.6	3,366.9	3,406.6	3,448.0
CTD BCWP	3,059.0											
CTD ACWP	3,021.0											
CM SPI	0.95											
CM CPI	1.06											
CTD SPI	1.00											
CTD CPI	1.01											

	$M					$M					$M		
	Current Period					Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	7.1	6.6	6.9	(0.5)	(0.3)	541.8	533.0	545.9	(8.8)	(13.0)	940.3	955.3	(15.1)
RL-0012 - SNF Stabilization & Disposition	4.4	3.7	3.0	(0.7)	0.6	336.4	332.1	332.3	(4.3)	(0.2)	605.9	602.5	3.5
RL-0013 - Solid Waste Stab & Disposition	5.2	5.2	4.4	(0.1)	0.8	707.6	707.3	698.9	(0.3)	8.4	1,344.1	1,325.8	18.3
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	5.6	5.3	5.4	(0.3)	(0.2)	812.0	813.5	817.7	1.6	(4.1)	1,491.6	1,490.9	0.7
RL-0040 - Nuc Fac D&D - Remainder	0.7	0.7	0.7	(0.0)	(0.0)	365.1	364.9	338.8	(0.2)	26.1	488.7	461.7	27.1
RL-0041 - Nuc Fac D&D - RC Closure Project	1.3	1.6	1.2	0.3	0.4	291.8	294.3	275.0	2.5	19.2	467.5	449.8	17.7
RL-0042 - Nuc Fac D&D - FFTF Project	0.1	0.1	0.1	0.0	0.0	14.0	14.0	12.3	0.0	1.7	26.5	24.4	2.2
(Numbers are rounded to the nearest $0.1M) Total	24.4	23.2	21.8	(1.3)	1.4	3,068.7	3,059.0	3,021.0	(9.6)	38.0	5,364.7	5,310.3	54.4

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of $54.4M with $85.8M of Management Reserve for a total positive variance of $140.2M.

Overall, the project was ~5% behind schedule and ~6% under cost in October.
Unfavorable schedule performance was primarily due to:

- RL-0011 - Recovery actions as a result of chemical hazards encountered in the 234-5Z Duct Level and the Plutonium Reclamation Facility and FY2013 Planned work scope that was

completed early in FY2012. This was partially offset by executing work on behind schedule scope that was planned in FY2012.

- RL-0012 – Sludge Treatment Project continued delays with the Annex construction as design issues are resolved and changes implemented. Additionally, delays in the Final Settler Tank Retrieval are the result of focus on the CVDF layup while requirements and need are being evaluated.

Favorable cost performance was primarily due to:

- RL-0012 - For the 100K Area Project, having less labor for the month than planned for the KW Operations portion of scope and MSA costs supporting maintenance were less than planned. For the Sludge Treatment Project, cost for the Final Performance Bond was less than budgeted and was costed in the previous month.
- RL-0013 - Implementation of planned efficiencies.

FUNDING ANALYSIS

FY2012 Funds vs. Fiscal Year Spend Forecast ($M)

		FY2013		
PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	132.6	131.0	1.6
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	69.5	67.8	1.7
RL-0013	Waste and Fuels Management Project	77.6	78.2	(0.6)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	98.7	99.2	(0.6)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.4	11.9	(0.5)
RL-0041	Nuclear Facility D&D, River Corridor	12.6	12.0	0.5
RL-0042	Fast Flux Test Facility Closure	2.5	1.7	0.7
	Total Base:	**404.8**	**401.9**	**2.9**

Funds/Variance Analysis:

FY2013 projected funding includes new budget authority of $398.6M, and an additional $6.2M for approved carryover scope as identified by RL, for a FY2013 total funding of $404.8M.

BASELINE CHANGE REQUESTS

In October 2012, CHPRC approved and implemented three (3) BCRs, two of which were administrative. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for October 2012		
BCRA-030-13-001R0	*RL-30 October Administrative BCR*	This Administrative BCR: Corrects a date error in the schedule for TPA Milestone; M-015-64-T01 - Submit CERCLA RI/FS Report & PP for 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-1, 100-IU-6 OUs (17-Dec-12). Due to RL-30 RCR Comment #3 on the FY13-18 Baseline Update submitted to RL on 8-2-12, the due date was changed from 5-14-2012 to 12-17-2012. The correct date for this Milestone is 12-17-2011. Refines the EVM type of several activities within the WBS elements, bringing consistency between the OUs within these WBS elements. This realignment of the EVM is consistent with *PRC-GD-PC-40071 - Work Scope Planning Implementation Guide.* Corrects errors in the Budget Category coding on in the WBS elements.
BCRA-013-13-001R0	*TPA Milestone Alignment PBS RL13 CLIN1 to CLIN 7*	This Administrative BCR moves 5 TPA Milestones from CLIN 1 (PMB file) to CLIN 7 (CLIN 7 file) to align the milestones with scope that already exists in CLIN 7. There are no budget impacts in COBRA, only P6 schedule changes.
BCR-PRC-12-016R0	*Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*	The purpose of this BCR is to implement the CHPRC Fiscal Year (FY) 2013 Annual Performance Measurement Baseline (PMB) update, as approved in DOE-RL; 12-PIC-0026 (See Attachment 1). This BCR provides the FY2013-FY2018 contract performance period scope, schedule, and budget.

Overall, the contract period Performance Measurement Baseline budget is decreased by ($175M) in October 2012.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-PRC-12-016R0	*Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*	2013 - 2018	($22,508K)
Overall MR Change in October 2012 decreased ($22,508K)			

Fee Activity

Overall, the contract period Fee budget is decreased by ($2,343K) in October 2012.

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 change to the Estimated Contract Price, if all authorized, unpriced work scope were definitized at the PMB values of change requests processed in October 2012, would be an net decrease of ($200,273K) and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

October 2012 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
September 2012 Estimate									
PMB	653,426	960,017	1,002,105	428,688	492,183	3,536,419	2,003,707	5,540,126	5,540,126
MR	0	0	0	0	30,271	30,271	77,993	108,264	108,264
Fee	39,712	48,772	32,322	17,023	24,695	162,524	76,347	238,870	238,870
Total	***693,138***	***1,008,790***	***1,034,427***	***445,711***	***547,149***	***3,729,214***	***2,158,046***	***5,887,261***	***5,887,261***
October 2012 Change									
PMB									
Change to PMB	***0***	***0***	***0***	***0***	-88,352	-88,352	-87,070	-175,422	-175,422
MR									
Change to MR	***0***	***0***	***0***	***0***	-26,724	-26,724	4,216	-22,508	-22,508
Fee									
Change to Fee	***0***	***0***	***0***	***0***	-12,694	-12,694	10,352	-2,343	-2,343
Total Change	***0***	***0***	***0***	***0***	***-127,770***	***-127,770***	***-72,503***	***-200,273***	***-200,273***
October 2012 Estimate									
PMB	653,426	960,017	1,002,105	428,688	403,831	3,448,067	1,916,637	5,364,704	5,364,704
MR	0	0	0	0	3,547	3,547	82,209	85,756	85,756
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***	***419,379***	***3,601,444***	***2,085,544***	***5,686,988***	***5,686,988***

Changes to/Utilization of Management Reserve in October 2012

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
September 2012 MR Totals								
RL-0011	0	0	0	0	11,287	11,287	9,168	20,455
RL-0012	0	0	0	0	1,404	1,404	8,204	9,607
RL-0013	0	0	0	0	-815	-815	18,547	17,732
RL-0030	0	0	0	0	11,495	11,495	7,307	18,802
RL-0040	0	0	0	0	2,759	2,759	16,644	19,402
RL-0041	0	0	0	0	3,775	3,775	17,123	20,898
RL-0042	0	0	0	0	367	367	1,000	1,367
Total	***0***	***0***	***0***	***0***	***30,271***	***30,271***	***77,993***	***108,264***
October 2012 MR Changes/Utilization								
RL-0011	0	0	0	0	-10,187	-10,187	11,579	1,392
RL-0012	0	0	0	0	-387	-387	6,294	5,907
RL-0013	0	0	0	0	1,215	1,215	-8,309	-7,094
RL-0030	0	0	0	0	-10,995	-10,995	7,196	-3,799
RL-0040	0	0	0	0	-2,679	-2,679	-8,786	-11,464
RL-0041	0	0	0	0	-3,375	-3,375	-3,143	-6,518
RL-0042	0	0	0	0	-317	-317	-615	-932
Total	***0***	***0***	***0***	***0***	***-26,724***	***-26,724***	***4,216***	***-22,508***
October 2012 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	500	500	14,503	15,003
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***	***3,547***	***3,547***	***82,209***	***85,756***

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 -11/1/2012				Planned Subcontracting*	$2,524,483,195
Reporting Category				Contract-to-Date awards	$2,015,857,273
			Goal	Bal remaining to award =	$508,625,922
	$	%	%	Goal award $	Bal to goal $
SB	$981,015,911	48.66%	49.30%	$1,244,570,215	$263,554,305
SDB	$178,096,033	8.83%	8.20%	$207,007,622	$28,911,589
SWOB	$197,274,241	9.79%	7.50%	$189,336,240	($7,938,001)
HUB	$45,495,524	2.26%	2.20%	$55,538,630	$10,043,106
VOSB	$115,183,055	5.71%	3.50%	$88,356,912	($26,826,143)
SDVO	$55,636,583	2.76%	1.30%	$32,818,282	($22,818,301)
NAB	$29,357,521	1.46%	N/A	** 10-year subcontracting projection*	
Large	$549,513,827	27.26%	N/A		
GOVT	$1,940,088	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	$479,880,379	23.81%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	$85,656	0.00%	N/A	Total Contract Price:	$5,861,382,070
NONPROFIT	$3,187,491	0.16%	N/A	17% requirement:	$996,434,952
FOREIGN	$230,546	0.01%	N/A	SB Awarded:	$981,015,911
Total	**$2,015,857,273**	**100.00%**	N/A	Balance to Requirement:	$15,419,041

Notes:

1. Subcontracting goals have been met as a result of a concerted effort to award new small business actions and an update of the subcontracting goals to match the small business plan submitted to DOE in December 2010 that was verbally accepted by DOE in August 2011. Fifty-one percent of total awards have been made to small businesses with approximately 54% of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for approximately 44% of all actions placed since contract inception.
3. 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.
4. This report excludes blanket contract values which are only estimates and not used for payment obligations.
5. 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

October 2012
CHPRC-2012-10, 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	1 glovebox	176 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	16,971 feet
Process Vacuum Piping Dispositioned	-	1,825 feet
Process Transfer Line Dispositioned	-	709 feet
Pencil Tank Units Removed	5	100 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	1 m^3	37 m^3
TRU/TRU-M Shipped	7 m^3	1,045 m^3
LLW/MLLW Shipped	32 m^3	3,880 m^3

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was close to plan for the month.
- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. Glovebox HC-13MD was removed from Room 228B and transferred to Solid Waste Operations (SWO), bringing the total gloveboxes removed to date to 176, or 76 percent complete. The upper section of large Glovebox HA-23S was removed from Room 235B and staged in Room 235D for later shipment by SWO, and the lower section was prepared for removal. In November, the lower section of Glovebox 23S will be placed on low-profile high capacity rollers and held in Room 235B pending SWO movement and loading into an IP2 waste container. Due to a nitric acid spill at duct-level, Room 262 in 234-5Z, work associated with asbestos abatement and disposition of process lines was impacted. However, the project was able to cut 27 feet of highly contaminated process vacuum line and 66 feet of process transfer line.
- Size reduction of pencil tank assemblies continued with the completion of the size reduction of Pencil Tank Assembly 37 (Tank 37) and the initiation of the size reduction of Pencil Tank Assembly 38 (Tank 38). The total pencil tank assembly units size reduced and sealed out is 100 or 51%. The total dispositioned is 90 or 46% complete. Size reduction was impacted during the month due to issues associated with work on the chemical lines.
- Mechanical isolation of the Miscellaneous Treatment (MT) gloveboxes was significantly impacted in October by insufficient resources and issues associated with work on chemical lines. Twelve feet of D-1 drain line was removed leaving approximately 12 feet of the D-1 drain line and eight feet of the D-6 drain line to be removed. After completion of the removal of the D-1 and D-6 drain lines, work on the mechanical isolation of the MT gloveboxes will be suspended. The field work team will be reassigned to the Acid Draining Team responsible for the draining of various chemical lines in the facility that contain liquids.
- Ramp-up of the D&D 242-Z project continued.

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	12/31/12	0%
			Evaluate CHPRC excess program to improve integration between CHPRC and PFP programs and to identify opportunities for disposition of unused PFP items	3/28/13	0%
		Reduce storage time in the 212-Z Lag Storage to prevent excess/ reuse/ recycle items from becoming unusable	Identify appropriate efficiencies, guidelines, requirements, controls for the 212-Z Lag Storage and PFP excess process	6/27/13	0%
		Implement better controls for PFP's 212-Z Lag Storage by requiring disposition identification and appropriate coordination completion prior to storage at 212-Z	Revise PFP procedures to implement improved excess processes at PFP and 212-Z Lag Storage	9/30/13	0%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	3	N/A
Total Recordable Injuries	1	6	• 10/01/2012 – Employee experienced respiratory problem (cough) as a result of contact/exposure with a potentially hazardous chemical (nitric acid vapors). (22918)
First Aid Cases	8	61	• 10/01/2012 – Five employees in area of chemical spill experienced irritated eyes or throat or received precautionary treatment. (22905, 22908, 22910, 22912. 22916) • 10/05/2012 – Employee experienced sprain to right foot. (22920) • 10/15/2012 – Employee experienced sprain to right knee. (22924) • 10/29/2012 – Employee experienced contusion of the left foot. (22940)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
  - Completed welding of cracks on EF-3 and initiated testing.
- Completed TSR inspections of E-3 filter rooms 312, 313, 314, 315 and 318.
- Revision 1 of HNF-32080, "Plutonium Finishing Plant Hazard Categorizations," was released October 3, 2012. The revision provides official documentation that the remaining 2721-Z, 2736-Z, 2736-ZA, 2736-ZB, and 2736-ZC slabs are less than nuclear facility Hazard Category 3 threshold limits.
- PFP reviewed and provided minor comments to the draft RL Safety Evaluation Report that will be providing approval of the PFP DSA and TSR 2012 annual updates. RL intends to include extending acceptance of filter rooms FR-309, 313, and 314 for STANDBY use for an additional 120 days in the final version of the SER.

11.05 Disposition PFP Facility

Remote Mechanical A and C Lines (RMA/RMC)

- In Room 235A-2, the internal hydraulic and pneumatic ram shafts were cut inside the gloveboxes. In addition, sweeps and wipe downs were completed.
- In Room 235A-3 the external electric motors, air actuators, air cylinders, and air tubing were removed on Glovebox HA-9A.
- The lower half of Glovebox HA-23S was lifted onto temporary supports and the glovebox legs and an electric swing arm assembly under the bottom of the glovebox was removed.
- In Room 228B, Glovebox HC-13MD was removed and removal activities for conveyor HC-1C were started.
- In Room 228C, the removal of vacuum lines that cross the room to Glovebox HC-18M was initiated.

Backside Rooms (Rooms 158-172) D&D

- Room 166 D&D
  - Room 166 Glovebox Mechanical Isolation:
    - Completed removal of dilute nitric acid piping
    - Initiated turnover of Room 166 D&D scope to new crew
- Room 159 Hood Removal
  - Work Package for 159 Hood removal approved by HRB
  - Installed room CAM, and completed installation and testing of temporary hood in Room 180
  - Reconfigured the 17-inch vacuum system in Room 159 and relocated CAM to support planned hood D&D work

Disposition PFP (234-5Z) Facility

- Cut down 27 feet of process vacuum piping for a total of 1,939 feet cut. Of this, 1,825 feet has been size reduced and dispositioned
- Removed 66 feet of transfer lines for a total of 775 feet removed, size reduced, and dispositioned
- Removed 133 feet of asbestos

Plutonium Reclamation Facility (PRF)

- Size reduction of Pencil Tank 37 was completed and size reduction of Pencil Tank 38 was

initiated.

- Mechanical isolation of the MT gloveboxes continued with the removal of 12 feet of D-1 drain line.

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 was commenced. Chemical lines were originally thought to have been drained based on documentation from the previous contractor. Ultrasonic testing of chemical lines has since indicated that some chemical lines still need to be drained. Additionally, concerns have been raised by some workers regarding the contents of the chemical lines.

Corrective Action – All accessible chemical lines will be ultrasonically tested to determine if they need to be drained. Engineering is working with IH to identify chemicals that may have been used in the lines, identify hazards associated with the identified chemicals, and develop controls to be implemented when draining or removing the lines. Work packages are being developed in parallel to expeditiously drain lines and remove the hazard.

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	Development of a detailed PFP-wide characterization plan is underway 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. Mitigation actions are currently in place to move the annual crane maintenance forward to work the festoon cable repair in parallel. Additional overtime will be planned for Pencil Tank removal, and MT activities to recover schedule lost for the festoon wheel design.	Working - Concern	Increased Confidence	Issues with the festoon cable wheel design continued to impact field work activities for Pencil Tank removal, and MT glovebox isolations for the first week of September. Festoon cable is currently operating as of 9/6/12 and the FY2013 Annual maintenance is 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 - Critical	Increased Confidence	EF-3 repairs continued for the month of October. Additional scope remains on all other exhaust fans to further mitigate potential impacts in the future.
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. Actions were set in place to dismantle the hammer mill, and scrub the floor within the HC-17 series.	Working - Concern	Increased Confidence	Planning is continuing to further evaluate the disposition path for the section of piping that was discovered to have higher than expected material holdup. NDA results for gloveboxes exceeded the threshold to support the "Remove TRU Whole" disposition path causing additional cleanout work for HC-17 series gloveboxes.
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. Revise work packages for additional controls and implement additional equipment deployment such as absorbent pads to neutralize acid and double floor containment glovebags. 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	Decreased Confidence	PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Discovery of high constricted acid was discovered in the casing surrounding the transfer lines during removal causing degradation of the glovebags. This caused several work packages to be revised where acid is expected. Potential nitric acid spill in 262 / 234-5Z duct level caused stop works and access restrictions until response teams completed investigations and cleanup of the spill areas.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-039: Beryllium Program Changes	Work closely with CHPRC central organizations to understand and anticipate potential changes in the program prior to implementation. Maintain existing contracts and establish new contracts with additional suppliers of Be analytical services and professional staff to help mitigate the schedule impacts of any new program requirements. Improve communications with the workforce regarding the potential Be hazards at PFP, the Be control program, and potential changes to the program or project practices.			Concerns were raised over the span of several weeks regarding BWP/NHAs weren't job specific. The repetitive concerns caused a stop work on 8/24 by an MSA safety Rep on all Be areas in PFP. BWP's/BHA's were revised to be job specific, and all effected teams will be briefed.
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.
PRC-059, Infrastructure Impacts Operations	Continue to work with DOE contractors to ensure issues such as: power, IT, steam, and water are restored in a timely manner to reduce impacts to field work.			No issues for the month of October. Reporting will discontinue next month if no impacts are encountered.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Continue to implement Breakthrough Initiative #1, Tool Time actions.

PROJECT BASELINE PERFORMANCE
Current Month
($M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
Total	**7.1**	**6.6**	**6.9**	**(0.5)**	**-6.4**	**(0.3)**	**-4.0**

Numbers are rounded to the nearest $0.1M

CM Schedule Variance: (-$0.5M/-6.4%)

The schedule variance is within reporting thresholds.

CM Cost Variance: (-$0.3M/-4.0%)

The cost variance is within reporting thresholds.

Contract-to-Date
($M)

WBS 011/ RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	**541.8**	**533.0**	**545.9**	**(8.8)**	**-1.6**	**(13.0)**	**-2.4**	**940.2**	**955.3**	**-15.1**

Numbers are rounded to the nearest $0.1M

CTD Schedule Variance (-$8.8M/-1.6%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-$13.0M/-2.4%)

The cost variance is within reporting thresholds.

Variance at Completion (-$15.1M/-1.6%)

The variance at completion is within reporting threshold.

Estimate at Completion (EAC)

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

The EAC changes from September to October 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 PMB	**132.6**	**131.0**	**1.6**

Numbers are rounded to the nearest $0.1M

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path analysis can be provided upon request.

Baseline Change Requests

BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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
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Decommissioning, Waste,
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October 2012
CHPRC-2012-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Engineered Container Retrieval and Transport System (ECRTS) Team continued working on incorporating the disposition of the 200+ "Type B" comments resulting from the Formal Design Review conducted in August 2012. The incorporation of these comments will be completed simultaneously with alignment of the final design with the Preliminary Documented Safety Analysis (PDSA) document. The PDSA is scheduled to be submitted to RL early in calendar year 2013.

Annex construction activities continued with a major focus on preparation for concrete placement for the building footings, which is scheduled to occur in early calendar November. This included excavation, compaction, sand bedding, and pipe installation for the fire water supply line. In addition, concrete form installation for the building footings, as well as grounding system installation and repairs were accomplished. The reinforcing steel fabrication was completed and delivery occurred at the end of this reporting period. Footing reinforcement steel installation will occur early in fiscal November.

The building footing work was dependent on the partial release of the Work Change Notice (WCN) for the Annex forms, rebar, and concrete placement (updated to incorporate DCN-STP-ECRTS-022). A pre-job immediately followed the release of the work package and work shifted to the installation of formwork for the Annex transfer bay footings shortly thereafter. This work is currently driving the construction project critical path.

A fire water supply riser interface issue was identified that delayed placement of thrust blocks and testing of the riser piping. A work-around was initiated to allow concrete placement for the main building footings to proceed while the riser design issue is resolved.

At the end of this reporting period, the fire water lift station offsite fabrication was nearing completion and excavation began in preparation for installation of the hardware in early November.

ECRTS engineering and Maintenance and Storage Facility (MASF) personnel continued preparation for the Integrated Process Optimization Demonstration (IPOD). Work included miscellaneous panel installation, wiring and pre-checks, Ion Exchange Module (IXM) manifold upgrades, sand filter enclosure upgrades and modifications, decant box/transfer box valve stem extension fabrication, and reinstallation of instruments that are beginning to return from calibration. The IPOD is scheduled to commence early in calendar year 2013.

The volume in the K West Basin sludge containers was determined for the 2012 biennial sludge inventory and documented in CHPRC-1204369. Sludge volumes were determined for each of the containers based on video obtained by 105KW Operations. The volumes are consistent with the past volumes documented in the Sludge Databook (HNF-SD-SNF-TI-015, Rev 21, Volume 2).

STP Improvement Initiative Report, MA-11930, Revision 1 was issued. Eight Findings and seven Opportunities for Improvement were identified in the areas of Safety, Operations, and Radiological Control. Thirteen new condition reports were issued to assure the completion of necessary follow-up action.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	20	10/15/12 - Employee experienced strain to upper back. Body part affected: Back (22925)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Nothing significant 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-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 - Critical	No Change	No change in trend over past month.
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 - Critical	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 - Critical	Decreased Confidence	Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-012/WBS 012				
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 104%. Cost Performance above 104%
STP-067: Safety Significant Components	Integrate nuclear safety representation on design team to minimize potential for changes in component classifications (Safety Significant to Safety Class and General Service to Safety Significant). Expedite submittal and approval of PDSA.	●	⟷	PDSA progressing and scheduled submittal in January 2013.
STP-002: STP Uncertainties	Force design parameters to limit control systems to the extent practicable. Test multiple components/systems concurrently to ensure technologies are transferable to the basin application/environment.	●	⟷	No issues at this time. MASF Testing progressing as planned
STP-006B: Sludge Different than Simulant - Retrieval	Develop simulant recipes based on the sludge Databook (SNF-TI-015) and develop a range of simulants to be used during testing. Utilize stimulant recipes during MASF testing.	●	⟷	No issues at this time. MASF Testing progressing as planned

PROJECT BASELINE PERFORMANCE
Current Month
($M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
	4.4	3.7	3.0	(0.7)	-16.7	0.6	17.5

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.7M/-16.7%)

The current month negative variance is due to continued delays with the Annex construction as design issues are resolved and changes implemented. Additionally, delays in the Final Settler Tank Retrieval are the result of focus on the CVDF layup while requirements and need are being evaluated.

CM Cost Performance (+$0.6M/+17.5%)

The 100K Area Project positive variance is due to less labor for the month than planned for the KW Operations portion of scope and MSA costs supporting maintenance were less than planned. Cost for the Final Performance Bond for the Sludge Treatment Project was less than budgeted and was costed in the previous month.

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)
	336.4	332.1	332.3	(4.3)	-1.3	(0.2)	-0.1	605.9	602.5	3.4

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (-$4.3M/-1.3%)
Variance is within reporting thresholds.

CTD Cost Performance (-$0.2M/-0.1%)
Variance is within reporting thresholds.

Estimate at Completion (EAC)
The current EAC change is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2013		
RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Projected Funding	Spending Forecast	Spend Variance
	69.5	67.8	1.7

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis
The variance is within reporting thresholds.

Critical Path Schedule
Critical Path Analysis can be provided upon request.

Baseline Change Requests
BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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-016-172	Complete KOP Material Removal from 105KW Fuel Storage Basin	TPA	9/30/12	9/10/2012		Complete.

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

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October 2012
CHPRC-2012-10, 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. Waste Receiving and Processing Facility (WRAP) completed the de-inventory of all radiological waste containers from WRAP complex. T Plant established a new Solid Waste Operations Complex (SWOC)-wide collection site for Universal Waste. Central Waste Complex (CWC) completed all roof repairs. A second U.S. NAVY Reactor Compartment shipment was received into Trench 94 (two received within two week period). Liquid Effluent Facilities (LEF) received 77 tankers (calendar year [CY] 329k gallons). Liquid Effluent Retention Facility (LERF) Basin 44 received 140k gallons of ERDF leachate (CY 0.58M). Canister Storage Building (CSB) completed annual interim storage cast inspections. Waste Encapsulation and Storage Facility (WESF) completed repairs on K1-6-1 supply fan and K3-7-2 exhaust fan.

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	
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	
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	

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	4	26	• 10/2/12 Employee was inspecting equipment when a foreign body entered the eye. . Body part affected: Eye (22917) • 10/8/12 Worker reported trigger finger due to cumulative job duties. Body part affected: Finger (22921) • 10/8/12 Worker reported shoulder pain due to cumulative job duties. Body part affected: Shoulder (22922) • 10/31/12 Worker stepped near depression in floor, lost balance and fell to floor. Body part affected: Neck, knee and ankle. (22941)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects.
- Supported responses to the Environmental Cost Accounting System (ECAS) review comments associated with the American Recovery and Reinvestment Act (ARRA) Mixed Low Level Waste (MLLW) Disposition, TRUM TRUM (Transuranic Mixed) Disposition, and TRU Retrieval projects

13.02 Capsule Storage & Disposition

- Completed extent of condition review for quality requirements for Commercial Grade Dedication (CGD) paperwork and identified three work packages requiring a more detailed review. No issues were identified with the three work packages during the detailed review.
- Worked with CHPRC Contracts and Legal to determine path forward on WESF roof warranty. Interim repairs are in planning pending resolution of the contract issue.
- Repaired fan motor bearings on the K1-6-1 supply fan
- Replaced sheaves and bearings on K3-7-2 exhaust fan
- Replaced Stack (296B-10) sample timer
- Completed three Technical Safety Requirement (TSR) calibrations

13.03 Canister Storage Building (CSB)

- Completed repair of light fixtures at Interim Storage Area (ISA) and Nasatka gate
- Completed decontamination of Container Restraint System (CRS)

- Installed bird prevention restraint on CRS
- Continued Knock-Out Pot (KOP) Multi-Canister Overpack (MCO) monitoring program
- Completed six-month MCO Handing Machine (MHM) High-Efficiency Particulate Air (HEPA) filter testing
- Completed annual Gaseous Effluent Monitoring System (GEMS)-100 calibrations and pitot-tube (annubar) inspections
- Completed annual interim storage cask inspections

13.07 WRAP

- Layup Plan
  - Continued 2404-WB drum hauler work package resolution
  - Completed the de-inventory of all radiological waste containers from WRAP Complex
  - Completed roof repairs to 2336W, 2404WB and 2404WC
- Completed nine Technical Safety Requirement (TSR) surveillances
- Completed 16 Preventive Maintenance (PM) packages
- Completed 80 Radiological (Rad) Surveillances
- Completed 24 Operational Surveillances
- Shipments
  - Shipped two drums to Central Waste Complex (CWC) and nine drums to Perma-Fix North West (PFNW)

13.08 T-Plant

- Completed the TSR Annual Confinement Door inspections and the Annual Fire Door inspection for 221T
- Continued the reduction of Sanitary Water Lines in 271T
- Completed the semi-annual 291T stack exhaust fans 3 & 4 inspections
- Established a new Solid Waste Operations Complex (SWOC)-wide collection site and an accompanying procedure for the handling of Universal Waste/Recycle Materials
- Completed Refrigeration Equipment Services (RES) annual PM on 2706T HVAC units and air handlers, as well as repairs to HVACs 2, 3 and 4
- Supported the T Plant WDOH Annual Inspection of the 271-T Stack Emission Unit for radioactive air emissions; no issues
- Completed annual testing of T Plant fire hydrants
- Completed seven TSR Surveillances
- Completed 17 PM packages
- Completed 270 Rad Surveillances
- Completed 186 Operational Surveillances

13.09 Central Waste Complex (CWC)

- Completed all roof repairs at CWC
- Completed design for the IP1 Container for Box 231-ZDR-11
- Repaired two tears in the weather enclosure canopy currently covering Box 231-ZDR-11
- Completed Hanford Fire Department TSR testing/inspections on Radio Fire Alarm Reporter (RFAR) boxes

- Replaced Trench 34 leachate tank transfer hose
- Performed a final review of the two new waste profiles to receive large high-gram glove boxes from Plutonium Finishing Plant (PFP)
- Completed the technical review of WDOE's analytical data for the run-off water from the Box 231 ZDR-11 waste package. Integrated the analytical data with the data from Waste Sampling and Characterization Facility (WSCF) and 222-S for a direct data comparison
- Completed five TSR Surveillances
- Completed 16 PM packages
- Completed 192 Rad Surveillances
- Completed 63 Operational Surveillances
- Shipments
  - Four SWBs and one SLB2 from PFP
  - Two drums from WRAP
- Completed successful receipt of the second U.S. NAVY Reactor Compartment shipment into Trench 94

13.11 Liquid Effluent Facilities (LEF)

- Received (calendar year [CY]) 77 tankers; 329k gallons
- Treated effluent to State-Approved Land Disposal Site: No change (CY 9.46M)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 2.2M gallons (CY 15.86M)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (140k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (2.0M CY) and Basin 44 (0.58M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 98k gallon
- Completed Nuclear Safety and Performance Evaluation Board (NSPEB) evaluation of the Effluent Treatment Facility (ETF), Waste Encapsulation and Storage Facility (WESF) and Canister Storage Building (CSB) by documentation review, observation of field work notification, and interviews. Out brief was provided to the management team with a Grade of 3; meets expectations. The draft report is in factually accuracy review, corrective actions will be developed upon receipt of the final report.
- Processed 424K gallons of waste water on a Basin 43
- Continued receiving Mixed Waste Trench Leachate tankers
- Continued receiving purged water tankers from BP-5
- Repaired second Reverse Osmosis feed pump (60F-P-2A) - ready for installation
- Completed cleaning of Retention Transfer System Tank 1 for inspection
- Repaired the Vessel Off Gas (VOG) blower (45D-F-1A)
- Completed planning for permit required visual inspection of Surge Tank (60A-TK-1) and SUMP 1 (60B-TK-1)
- Initiated 5 Year PM on Main Switch Gear (MSWGR)-1 and 2
- Replaced failed Motor Control Center (MCC) bucket for Radiological Control Area Exhaust Fan (45B-F-1B)
- Completed expanded calibration of 4% chemical concentration indicators
- Continued shop fabrication to replace Basin 44 recirculation line

- LERF Basin Activities:
  - Placed water removal system into service
- Basin 44:
  - Continued with surveys/posting verification activities
  - Received chromium sample results for soil/mud (less than Land Disposal Restriction)
  - Completed in progress As Low As Reasonably Achievable (ALARA) review for changes needed on Hazard Review Board work at LERF Basin 44 cleanup
  - Continued response and recovery for Biological Contamination Spread
- Basin 42:
  - Set up all equipment for vegetation removal, water removal/filtering system, waste containers, and crane mockup activities
  - Removed vegetation from center of basin to southwest corner and moved vegetation into waste containers

13.12 Integrated Disposal Facility

- Completed six Operational Surveillances

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed 32 Radiological and five Operational surveillances
- Completed one TSR Surveillance
- Shipped 14 boxes and three drums from PFNW

MAJOR ISSUES

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

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

Status – Surveys and air monitoring continue; continuing to work with MSA on bird deterrent methods; developed work package to remove vegetation, water, soil and debris from the cover; once water and sediment are removed, a comprehensive cover inspection will be performed and path forward developed for repairs based upon inspection results.

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

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

Status - Installed glove bag and worked on decontamination and cleaning for inspection. Non-Destructive Evaluation has reviewed conditions in order to allow glove bag removal

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	Green	↓	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.	Yellow	↓	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.	Yellow	↔	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 FY2013.
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.	Yellow	↓	• 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 potential replacement of heat exchanger may be required.
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.	Yellow	↔	On-Schedule with completion of the WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011. No change in trend. Washington Department of Ecology performed inspection of CWC on September 17. Awaiting results.
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.	Green	↔	Maintain Fiscal Year Cost Performance Index (CPI) at 117%. Cost Performance above 116% for first fiscal month.

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	5.2	5.2	4.4	(0.1)	-1.2%	0.8	14.9%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.1M/-1.2%)

The unfavorable current period schedule variance is within threshold.

CM Cost Performance (+$0.8M/+14.9%)

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 (%)
Total	707.6	707.3	698.9	(0.3)	-0.0%	8.4	1.2%

Numbers are rounded to the nearest $0.1M

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

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+$8.4M/+1.2%)

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 September to October 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 Total	**77.6**	**78.2**	**-0.6**

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCRA-013-13-001R0 – *TPA Milestone Alignment PBS RL13 CLIN 1 to CLIN 7*
BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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			To be missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12, notifies Ecology milestone will not be met.
M-091-46B-T01	Certify 300 cubic meters of small container CH TRUM waste	TPA	9/30/12			To be missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12, notifies Ecology milestone will not be met.
M-016-93B	Submit Implementation Workplan To Prepare TRU/TRUM Waste	TPA	12/31/12			On schedule
M-091-44P	Designate all RH TRUM Waste & Lrg Containers of CH TRUM Waste	TPA	12/31/12			On schedule
M-091-44Z-003	Annual PMM or Qtrly Notification of Cert of CH/RH TRUM	TPA	12/31/12			On schedule

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
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K. A. Dorr
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Engineering, Projects
and Construction

October 2012
CHPRC-2012-10, 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 October includes the following:

- 22.3M gallons groundwater treated by KX treatment facility
- 11.8M gallons groundwater treated by KW treatment facility
- 12.3M gallons groundwater treated by KR-4 treatment facility
- 25.2M gallons groundwater treated by HX treatment facility
- 23.4M gallons groundwater treated by DX treatment facility
- 30.9M gallon groundwater treated by 200W treatment facility
- 125.9M gallons of groundwater treated total

Sampling	October	FY2013 Cumulative
Number of Well Sampling Events	193	193
Number of Aquifer Sampling Events	109	109
Total Number of Sampling Events	302	302
Total Number of Samples Collected	741	741
Total Number of Analyses Performed	1399	1399

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB1-T1	Reduce chemical use at S&GRP pump and treat facilities per unit of groundwater treated	Establish a baseline for chemical use per unit of groundwater treated (e.g. each 10,000 gallons treat) at the 200-West Area 100 Area Pump and Treat Facilities.	10/30/13	On Schedule
		A monthly chemical use log tallied by individual chemical used for treating groundwater. Progress reported at 8% with 100% at the end of the 12th month	Monthly	Ongoing
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	
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	On Schedule

Objective #	Objective	Target	Due Date	Status
	materials in the environment.	The volume of contaminated groundwater that is treated as measured in gallons	Monthly	126M Gallons treated through 10/31/12
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	
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

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	20	**10/22/2012 –** Employee was stepping down two steps and right safety boot caught on the step support causing him to lose balance and fall against purgewater truck. (22937) S&GRP
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations

Groundwater Sampling Support: WAL-E (Well Access List – Electronic)

- Completed conversion from an Excel spreadsheet to a new WEB-accessible database application to improve the accuracy, timeliness, and efficiency of administering the list and to allow for multiple users. Additionally the data is now accessed and utilized by other applications (e.g. Field Logging and Electronic Data Gathering [(FLEDG]). A demonstration/training session for users was held in October.

River Corridor Technical Integration

- Working on resolution of Ecology concerns on the Tier II Ecological PRG document. A draft revision was prepared and submitted to RL for review. Comments will be incorporated and the revised document will then be issued.

River Corridor

100-NR-2 Operable Unit

- Delivered the pre-decisional draft RI/FS Report to RL on October 15, 2012.

Central Plateau

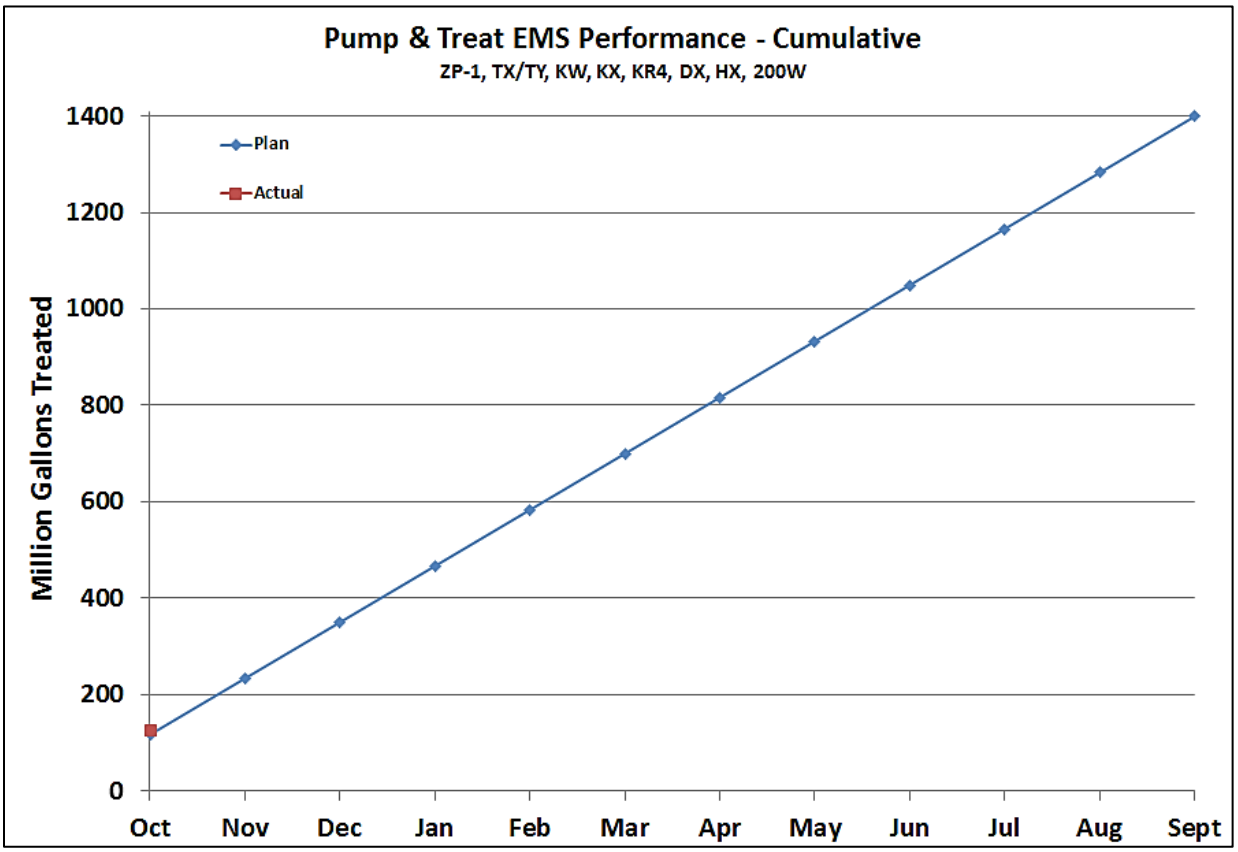
200 West Pump and Treat

- The 200 West P&T was up and running for 23 days with pumping rates ranging from 1,200 gpm to 2,200 gpm. The longest continuous run time was approximately 60 hours. The automated system is working well. Maintenance and repair work was performed on the plant when the system was offline.
- The two ion exchange resin trains were run between 400 gpm to 600 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.
- Analytical testing has shown the plant is successfully reducing the concentration of contaminants to below cleanup levels as specified in the Record of Decision.
- Plant tours continue to be provided routinely.

200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed approximately 2,200 gallons of water per week, bringing the total volume of perched water removed to 69,807 gallons (as of October 30, 2012) since initiating operations.

Pump and Treat Operations – FY2013



MAJOR ISSUES

Issue - The number of comments on CERCLA documents and the need for policy and technical decisions is impacting contractual delivery due dates and decreasing float on major TPA Milestone M-015-00D "DOE shall complete the RI/FS process through the submittal of a Proposed Plan for all 100 and 300 Area operable units". Working with the customer to resolve comments on "Ecological PRGs" used in the River Corridor RI/FS documents which would have significant impact on the RI/FS documents.

Corrective Action –

- Supporting RL in negotiations with Regulators on new milestone dates.
- Meetings being held weekly with RL at working and management levels to assure schedule commitments and alignment of priorities.
- Frequent working sessions with RL to address comments and resolve issues

Status – Continuing to work with RL and Regulators to negotiate new milestone dates. Continuing to make progress on the DH and F RI/FS documents for December 2012 delivery of Draft A. Resolved Ecological PRG issue with Washington Department of Ecology.

Issue - The 100-K RI/FS documents are on hold while discussions proceed on collecting additional samples from waste sites near the K-East reactor and from wastes sites close to the river that have culturally sensitive areas.

Corrective Action –

- DOE meeting with Tribal representatives to revise, or develop new Memoranda of Agreement for characterization in culturally sensitive areas.
- Washington Closure Hanford is leading (and CHPRC supporting) a DOE effort to scope a Data Quality Objective for characterizing in culturally sensitive areas.
- CHPRC working with DOE and EPA on path forward for characterizing waste sites near the K-East reactor.

Status – Tribal meetings are in progress. Initial DQO scoping meeting with EPA has taken place. A schedule has been developed and shared with RL and EPA for characterizing waste sites near the K-East reactor.

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-030/WBS 030				
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.	Working - Concern	Decreased Confidence	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)	Working - No Concerns	Increased Confidence	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 may be required (contract change).
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	Working - Concern	No Change	EPA concurred that need for pump and treat will be evaluated as part of RI/FS process. The draft feasibility study is evaluating P&T as viable in two alternatives. Current alternative discussions indicate that treatment is highly likely as a preferred alternative.
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.	Working - No Concerns	Increased Confidence	Installation of 4 extraction and 2 injection wells in FY2013 plus the connection of 5 interim system injection wells performed in FY 2012 is anticipated to provide sufficient flow rates. Drilling of the first extraction well was initiated on October 31, 2012.
SGW-083, River Corridor Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units or to investigate findings from WCH data gathering.	Working - Concern	Decreased Confidence	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.	Working - Concern	No Change	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilize aggressive Corrective Maintenance program to ensure that staff is trained on new equipment. Perform design modifications/procedure revisions to accommodate unexpected conditions. Continue to work corrective maintenance issues as identified during acceptance testing.	Working - Concern	No Change	Continuing to resolve outstanding issues identified associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	Working - Concern	No Change	Continuing to work project closeout with the General Contractor and their subcontractors. Negotiations taking longer than planned between subcontractors.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
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 108%. Current month performance is less than 108%

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	0.4	0.0	0.0	(0.4)	-955.3
RL-0030.O1 RL 30 (Operations)	5.6	5.2	5.0	(0.4)	-6.3	0.2	4.3
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	**5.6**	**5.3**	**5.4**	**(0.3)**	**-5.6**	**(0.2)**	**-3.1**

Numbers are rounded to the nearest $0.1M.

CM Schedule Performance (-$0.3M/-5.6%)

There are no schedule variances that exceed the reporting thresholds.

CM Cost Performance (-$0.2M/-3.1%)

Current month cost variance that exceeds reporting thresholds are as follows:

RL-0030.C1 GW Remedy Implement (-$0.4M/-955.3%)

200-ZP-1 Operable Unit (-$0.4M)

The current month negative cost variance is due to Accrual issues with Ojeda that have resulted in October charges for work completed in September, late invoices from subcontractors for work completed in July/August and closeout costs which includes negotiating Change Orders/Claims with vendors and oversight of Audit related negotiations.

RL-0030.O1 RL 30 Operations (+$0.2M/4.3%)

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

The current month negative cost variance is due to start up and early operation of the 200 West P&T Facility requiring more corrective maintenance and testing than initially planned.

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	73.3	85.2	0.0	-0.1	(11.8)	-16.2	73.4	85.4	(12.1)
RL-0030.O1 RL 30 (Operations)	471.4	473.1	468.4	1.7	0.4	4.7	1.0	1,515.1	1,141.3	9.8
RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.6	0.0	0.0	0.4	0.2	175.0	174.6	0.4
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	**811.9**	**813.5**	**817.7**	**1.6**	**0.2**	**(4.1)**	**-0.5**	**1,491.6**	**1,490.9**	**0.7**

Numbers are rounded to the nearest $0.1M.

CTD Schedule Performance (+$1.6M/+0.2%)

The primary contributors to the schedule variance that exceed the reporting thresholds are discussed below:

RL-0030.O1 RL 30 Operations (+$1.7M/0.4%)

100 NR-2 Operable Unit (+$2.5M)

The positive CTD schedule variance is primarily the result of prior year activity which has been previously reported.

CTD Cost Performance (-$4.1M/-0.5%)

The primary contributors to the cost variances that exceed the reporting thresholds are discussed below:

RL-0030.O1 RL 30 Operations ($4.7M/1.0%)

RL-0030.C1 GW Remedy Implement (-$11.8M/-16.2%)

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

RL-0030.R1.3 Support Operations ($0.3M/0.5%)

The CTD cost variances are primarily the result of prior year activity which has been previously reported.

Estimate at Completion (EAC)

The projected variance at completion of 0.0% is spread among several operational areas and is not considered significant.

The EAC change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

RL-0030 Soil and Groundwater Remediation	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
	95.9	**97.0**	**-1.1**

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-12-016R0 - FY13 – 18 Annual Update

FY2013 Management Reserve (Funded): $0.5M

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in October 2012, 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-016-110-T01	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	TPA	12/31/12	9/30/12		Documented in Completion Letter, CHPRC-1204316, sent on 11/5/12
M-015-70-T01	Submit RI/FS Report & PP for 100-HR-1/2/3 and 100-DR-1/2 OUs	TPA	1/12/12 (Original Due Date: 11/24/11)		12/14/12	Incorporated technical policy level decisions, as agreed to with 100-K, into Decisional Draft for D/H. RL has reviewed the RI/FS and PP reports and CHPRC is currently collaborating with RL on comment resolution.
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)		11/30/16	RL staff have been directed to not review the Decisional Draft of the RI/FS report due to pending negotiations for delaying the delivery of the document.
M-015-64-T01	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	TPA	5/14/12 (Original Due Date: 12/17/11)		12/28/12	Incorporated technical policy level decisions, as agreed to with 100-K, into Decisional Draft for F/IU. RL has reviewed the RI/FS and PP reports.
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	Missed – RL CO direction received to plan for a revised due date to 6/30/13, which coincides with the new anticipated TPA milestone date.
M-091-40L-036	PMM Submittal Jul-Sep 4th Qtr. FY2012 Burial Ground Sample Results	TPA	12/15/12		12/15/12	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs	TPA	12/31/12		12/28/12	At Risk – See Major Issues above.
M-091-40L-37	PMM Submittal Oct-Dec 1st Qtr. FY2013 Burial Ground Sample Results	TPA	3/15/13		3/15/13	On Schedule
M-085-01	Submit a change package to establish a date for major milestone M-085-00.	TPA	3/30/13		3/30/13	On Schedule
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-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/2013	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qrtr FY13 Burial Ground Sample Results	TPA	9/15/2013		9/15/2013	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)

October 2012
CHPRC-2012-10, 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.

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	
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	

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	3	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Completed the annual surveillance of Plutonium Uranium Extraction (Plant) (PUREX).
- Completed U Plant annual surveillance.
- Replaced bearings on B Plant exhaust fan #1.
- Completed annual PM on Reduction-Oxidation (S Plant) (REDOX) exhaust fans.
- Completed the required 28-day annual REDOX stack monitoring.

- Completed monthly and semi-annual inspection and lube for B Plant and PUREX exhaust fans.
- Completed installation of new remote thermal device (RTD) for PUREX fan #1 (back-up fan).
- Conducted 75 radiological facility surveillances.
- Completed Radiation Area Remedial Action (RARA) radiological surveillances of 40 Waste Information Data System (WIDS) sites.
- Completed 89 WIDS site operational surveillances and performed maintenance and supported spray crews.
- Completed 18 preventive maintenance (PM) activities.
- Radiation area remediation action (RARA) team removed over 200 large rocks from 200 East burial grounds in preparation for annual mowing; applied six inches of gravel on soil contamination area (SCA) 218-W-7 WIDS site; down posted two SCAs to URMAs; and removed three RMAs near U Plant sand filters.
- Completed procedure and schedule for surveillance of potential asbestos sites.

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-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.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns.
PRC-058: Cost Savings Initiates 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 112%. Cost Performance less than 112% for first fiscal month.

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	0.7	0.7	0.7	0.0	-4.2	0.0	-0.9

Numbers are rounded to the nearest $0.1M

CM Schedule Performance: (-$0.0M/-4.2%)

Variance is within threshold.

CM Cost Performance: (-$0.0M/-0.9%)

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	365.1	364.9	338.8	(0.2)	-0.1	26.1	7.1	488.7	461.7	27.0

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance: (-$0.2M/-0.1%)

The unfavorable CTD schedule variance is within threshold.

CTD Cost Performance: (+$26.1M/+7.1%)

The favorable cost variance is due to several factors 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 September to October 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 Total	**11.4**	**11.9**	**-0.5**

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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)

October 2012
CHPRC-2012-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

105-KE ISS preparation activities continue with construction of below-grade concrete pourbacks (overall 85% complete), above ground openings (75% overall complete), and cleanout of combustible and hazardous materials inside the reactor building (overall 85% complete).

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	
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	
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	

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	28	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Facilities

- Completed asbestos remediation and removal from the 3X Ball Room. Completed removal of 800 gallons of water from the 3X Ball Room sump pit. Continued remaining cleanout of the upper floors. Cleanout of the reactor building interior is 85% complete overall.
- Completed construction of Pourback #28 (Water Tunnel Pipe Rooms 1 & 2). Below-grade concrete pourbacks are 85% complete overall.
- Completed installation of covers for above-ground openings #1, 2, 3, 4, 5, 7, 9, 10, 11, 13, 15, &17. Above-ground openings are 75% complete overall.
- Submitted consent to award package to DOE-RL for the 105-KE Safe Storage Enclosure (SSE) Construction Contract.

Waste Sites

- Continued with Closure documentation for TPA Milestone.

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 - No Concerns	No Change	Continuing to discuss cleanup and material removal requirements.
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) at 102%. Cost Performance above 102% for first fiscal month.
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 - No Concerns	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. Developing 100K Area Concept to simplify change management (in conjunction with DOE-RL Contracts).
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.

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	1.3	1.6	1.2	0.3	26.6	0.4	23.2

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (+$0.3M/+26.6%)

Waste Sites (+$0.1M) The variance is within reporting threshold.

100K Area Project (Facilities and Others) (+$0.2M) The variance is within reporting threshold.

CM Cost Performance (+$0.4M/+23.2%)

Waste Sites (+$0.7M) The variance is within reporting threshold.

100K Area Project (-$0.3M) 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	291.8	294.3	275.0	2.5	0.8	19.2	6.5	467.5	449.8	17.7

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (+$2.5M/+0.8%)

Waste Sites (+$3.0M) The positive schedule variance is due to CSNA sites that were completed early.

100K Area Project (Facilities and Others) (-$0.5M) The variance is within reporting threshold.

CTD Cost Performance (+$19.2M/+6.5%)

Waste Sites (+$21.7M) The positive CTD cost variance is primarily the result of prior year activity which has been previously reported.

100K Area Project (Facilities and Others) (-$2.5M) The negative cost variance is largely due to the Utilities Project. This is offset by a positive variance for 105KE Reactor Disposition, less demolition required on KE Sedimentation Basin as well as underruns in G&A and Direct Distributables.

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2012 Projected Funding	FY2012 Spending Forecast	FY2012 Spend Variance
	12.6	12.0	0.5

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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-016-53	Complete the Interim Response Actions for the 100 K Area Phase I	TPA	12/31/12			On Schedule.

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)

October 2012
CHPRC-2012-10, 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	
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	

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 repairs to three sections of the FFTF roof.
- Installed required Type D fire extinguisher at Fuel Storage Facility (FSF) to meet new Class II permit contingency plan requirements.
- Installed signage in 400 Area Waste Management Unit (WMU) to identify emergency spill kit and fire extinguisher locations to complete Class II contingency plan actions.
- Completed three preventive maintenance (PM) packages/Operational Surveillances.
- Completed four Radiological Surveillances.

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. No unplanned events encountered.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) at 102%. FFTF performing above Cost Performance of 102%.

PROJECT BASELINE PERFORMANCE
Current Month
($M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
	0.1	0.1	0.1	0.0	0.0%	0.0	21.6%
Numbers are rounded to the nearest $0.1M							

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

The current period schedule variance is within thresholds.

CM Cost Performance: ($0.0M/-21.6%)

The current period cost variance is within threshold.

Contract-to-Date ($M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
	14.0	14.0	12.3	0.0	0.0%	1.7	11.9	26.5	24.4	2.2
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 (+$1.7M/+11.9%)

The favorable CTD cost variance reflects reduction in surveillance and maintenance requirements as the facility deactivation reached completion. 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 September to October 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
	2.5	1.7	0.7
Numbers are rounded to the nearest $0.1M			

Funds Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

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

Baseline Change Requests

BCR PRC-12-016R0 – *Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*

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

October 2012
CHPRC-2012-10, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 1 - WORK BREAKDOWN STRUCTURE
DOLLARS IN Thousands of $

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT	3. PROGRAM	4. REPORT PERIOD
a. NAME CH2M HILL Plateau Remediation Company	a. NAME Plateau Remediation Contract	a. NAME Plateau Remediation Contract	a. FROM (YYYYMMDD) 2012 / 10 / 01
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788	b. PHASE	b. TO (YYYYMMDD) 2012 / 10 / 21
	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
	5,622,293	24,850	236,528	5,858,820	5,632,612	5,858,820	5,632,612	

6. ESTIMATED COST AT COMPLETION

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	5,310,329		
b. WORST CASE	5,450,460		
c. MOST LIKELY	5,396,085	5,647,143	251,059

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

a. NAME (Last, First, Middle Initial): Bang, M.V.
b. TITLE: Prime Contract Manager
c. SIGNATURE
d. DATE SIGNED: 10/21/2012

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	7,072	6,622	6,883	(451)	(262)	541,783	532,952	545,942	(8,830)	(12,989)	0	0	0	940,255	955,347	(15,093)
012 RL-12 SNF Stabilization and Disposition	4,427	3,688	3,041	(740)	647	336,434	332,100	332,308	(4,334)	(208)	0	0	0	605,948	602,469	3,479
013 RL-13 Solid Waste Stabilization & Disposition	5,241	5,180	4,410	(62)	770	707,606	707,275	698,896	(332)	8,379	0	0	0	1,344,099	1,325,758	18,341
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	5,577	5,267	5,430	(310)	(162)	811,951	813,542	817,668	1,592	(4,126)	0	0	0	1,491,640	1,490,916	724
040 RL-40 Nuclear Facility D&D Remainder of Hanford	709	680	686	(30)	(6)	365,132	364,918	338,836	(214)	26,082	0	0	0	488,747	461,689	27,058
041 RL-41 Nuclear Facility D&D - River Corridor	1,278	1,618	1,243	340	375	291,787	294,264	275,043	2,477	19,221	0	0	0	467,474	449,792	17,682
042 RL-42 FFTF Closure	122	122	96	0	26	13,969	13,969	12,306	0	1,663	0	0	0	26,542	24,358	2,184
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	**24,427**	**23,176**	**21,788**	**(1,251)**	**1,388**	**3,068,663**	**3,059,021**	**3,021,000**	**(9,641)**	**38,022**	0	0	0	**5,364,704**	**5,310,329**	**54,375**
f. Management Reserve														85,756		
g. Total	**24,427**	**23,176**	**21,788**	**(1,251)**	**1,388**	**3,068,663**	**3,059,021**	**3,021,000**	**(9,641)**	**38,022**	0	0	0	**5,450,460**		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									**(9,641)**	**38,022**				**5,450,460**	**5,310,329**	**140,131**

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) 2012 / 10 / 01
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2012 / 10 / 21
	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	313	313	367	0	(54)	37,385	37,385	34,319	0	3,066	0	0	0	79,989	76,725	3,264
	313	**313**	**367**	**0**	**(54)**	**37,385**	**37,385**	**34,319**	**0**	**3,066**	**0**	**0**	**0**	**79,989**	**76,725**	**3,264**
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	1,220	599
012.7W - PRC WFR	0	0	0	0	0	1,363	1,363	776	0	587	0	0	0	1,363	776	587
013.7W - PRC WFR	0	0	0	0	0	1,702	1,702	1,172	0	529	0	0	0	1,702	1,172	529
030.7W - PRC WFR	0	0	0	0	0	1,705	1,705	868	0	837	0	0	0	1,705	868	837
040.7W - PRC WFR	0	0	0	0	0	224	224	150	0	74	0	0	0	224	150	74
041.7W - PRC WFR	0	0	0	0	0	337	337	188	0	149	0	0	0	337	188	149
042.7W - PRC WFR	0	0	0	0	0	33	33	19	0	14	0	0	0	33	19	14
	0	**0**	**0**	**0**	**(0)**	**7,182**	**7,182**	**4,393**	**0**	**2,789**	**0**	**0**	**0**	**7,182**	**4,393**	**2,789**
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	7,072	6,622	6,883	(451)	(261)	456,924	448,093	468,535	(8,830)	(20,441)	0	0	0	855,396	877,940	(22,544)
	7,072	**6,622**	**6,883**	**(451)**	**(261)**	**456,924**	**448,093**	**468,535**	**(8,830)**	**(20,441)**	**0**	**0**	**0**	**855,396**	**877,940**	**(22,544)**
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	1,869	1,869	1,421	0	448	116,773	116,773	118,069	0	(1,296)	0	0	0	252,176	252,128	48
012.2 - Sludge Treatment Project	2,558	1,818	1,620	(740)	198	165,877	161,543	161,227	(4,334)	316	0	0	0	299,987	297,328	2,659
013.1 - Waste Management	5,241	5,180	4,410	(62)	770	600,983	600,652	591,951	(332)	8,701	0	0	0	1,237,476	1,218,813	18,663
040.1 - PRC D&D	0	0	21	0	(21)	191,549	191,549	187,985	(0)	3,564	0	0	0	225,176	221,613	3,564
040.2 - D&D Fac Waste Site Remediation	0	(6)	(0)	(6)	(6)	67,490	67,594	60,124	104	7,470	0	0	0	89,437	81,967	7,470
041.1 - River Zone	413	627	976	214	(349)	171,693	171,218	183,127	(474)	(11,909)	0	0	0	307,899	321,834	(13,935)
041.3 - Waste Sites	864	991	267	127	724	67,223	70,174	48,455	2,952	21,719	0	0	0	106,704	84,497	22,207
042.1 - FFTF	122	122	96	0	26	12,333	12,333	10,773	0	1,560	0	0	0	24,906	22,824	2,081
040.3 - PRC Fac & Waste Site Maint	709	686	665	(23)	21	34,602	34,285	32,393	(318)	1,892	0	0	0	102,643	99,775	2,867
	11,777	**11,287**	**9,475**	**(490)**	**1,812**	**1,428,523**	**1,426,120**	**1,394,103**	**(2,403)**	**32,017**	**0**	**0**	**0**	**2,646,404**	**2,600,780**	**45,624**
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	5,264	4,914	4,638	(350)	277	403,890	405,563	388,042	1,672	17,521	0	0	0	1,040,975	1,018,585	22,390
	5,264	**4,914**	**4,638**	**(350)**	**277**	**403,890**	**405,563**	**388,042**	**1,672**	**17,521**	**0**	**0**	**0**	**1,040,975**	**1,018,585**	**22,390**
3F - Engineering, Projects & Construction																
030.3 - EPC - Groundwater	0	40	426	40	(385)	273,050	272,969	291,292	(81)	(18,323)	0	0	0	273,050	291,590	(18,540)
	0	**40**	**426**	**40**	**(385)**	**273,050**	**272,969**	**291,292**	**(81)**	**(18,323)**	**0**	**0**	**0**	**273,050**	**291,590**	**(18,540)**
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	**24,427**	**23,176**	**21,789**	**(1,251)**	**1,387**	**3,068,663**	**3,059,021**	**3,021,000**	**(9,641)**	**38,022**	**0**	**0**	**0**	**5,364,704**	**5,310,329**	**54,375**
f. Management Resrv.														85,756		
g. Total	**24,427**	**23,176**	**21,789**	**(1,251)**	**1,387**	**3,068,663**	**3,059,021**	**3,021,000**	**(9,641)**	**38,022**	**0**	**0**	**0**	**5,450,460**		

FORMAT 3, DD FORM 2734/3, BASELINE

October 2012 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE DOLLARS IN THOUSANDS			Form Approved OMB No. 0704-0188
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA	2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:	3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009	4. REPORT PERIOD a. FROM: 2012/10/01 b. TO: 2012/10/21

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	$1,309,926	$5,622,293	24,850	$5,647,143	$5,450,460	$196,683

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 Nov-12	+2 Dec-12	+3 Jan-12	+4 Feb-13	+5 Mar-13	+6 Apr-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)	**1,721,920**	**20,349**	**24,879**	**34,459**	**27,849**	**40,819**	**41,044**	**34,744**	**653,426**	**960,017**	**1,002,105**	**428,688**	**2,495,890**	**0**	**5,540,126**
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
BCRA-030-13-001R0 - RL-30 October Administrative BCR															**0**
BCRA-013-13-001R0 - TPA Milestone Alignment PBS RL13 CLIN1 to CLIN 7															**0**
BCR-PRC-12-016R0 - Fiscal Year (FY) 2013 Annual PMB Update													**(175,422)**		**(175,422)**
c. PM BASELINE (END OF PERIOD)	**1,746,347**	**24,427**	**34,765**	**31,100**	**33,736**	**32,257**	**32,993**	**33,121**	**653,426**	**960,017**	**1,002,105**	**428,688**	**2,320,468**	**0**	**5,364,704**
7. MANAGEMENT RESERVE															**85,756**
8. TOTAL															**5,450,460**

Block 5.g "Difference" is attributable to Implementation of the RL approved FY2013 PMB Annual Update.

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) 2012 / 10 / 01
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788	b. PHASE	b. TO (YYYYMMDD) 2012 / 10 / 21
	c. TYPE CPAF / d. SHARE RATIO	c. EVMS ACCEPTANCE NO 9/18/2009	

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

FOC Group by FOC / ITEM	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative) SIX MONTH FORECAST +1 Nov	+2 Dec	+3 Jan	+4 Feb	+5 Mar	+6 Apr	SPECIFIED PERIODS REM FY13	FY14-18	AT COMPLETION
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	(13)	(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	532	6	6	6	6	6	6	28	420	1,012
	6	**532**	**6**	**6**	**6**	**6**	**6**	**6**	**28**	**420**	**1,012**
32 - Safety, Health, Security & Quality											
000.2 - Safety,Health,Security/Quality	56	4,488	57	57	57	57	57	57	284	2,839	7,952
	56	**4,488**	**57**	**57**	**57**	**57**	**57**	**57**	**284**	**2,839**	**7,952**
34 - Environmental Prog & Strategic Planning											
000.4 - Environmental Prog & Strategic Planning	16	983	18	18	19	19	19	19	93	957	2,142
030.2 - Envr Prog & Strategic Planning	12	1,392	9	14	17	14	14	18	72	1,696	3,248
	28	**2,375**	**28**	**32**	**35**	**33**	**33**	**36**	**165**	**2,653**	**5,390**
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	83	5,288	85	85	85	84	84	84	421	5,519	11,734
000.9 - Chief Information Officer	0	4	0	0	0	0	0	0	0	0	4
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
	83	**6,934**	**85**	**85**	**85**	**84**	**84**	**84**	**421**	**5,519**	**13,380**
36 - Prime Contract & Project Integration											
000.7 - Contract and Baseline Management	31	1,870	34	35	34	34	34	34	172	2,313	4,560
	31	**1,870**	**34**	**35**	**34**	**34**	**34**	**34**	**172**	**2,313**	**4,560**
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	339	26,388	466	459	463	472	481	469	2,347	11,629	43,174
	339	**26,388**	**466**	**459**	**463**	**472**	**481**	**469**	**2,347**	**11,629**	**43,174**
3C - W&FMP/D&D Project											
012.1 - 100 K Area Project	81	6,448	85	85	85	86	86	86	429	4,545	11,932
012.2 - Sludge Treatment Project	72	5,526	67	67	67	67	67	67	336	3,460	9,727
013.1 - Waste Management	267	31,118	283	283	283	283	283	283	1,473	22,291	56,584
013.3 - Solid Waste Variable	6	630	8	8	8	8	8	8	40	480	1,198
040.1 - PRC D&D	1	7,520	0	0	0	0	0	0	0	1,227	8,747
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	32	2,064	38	37	37	37	37	37	190	2,324	4,803
041.1 - River Zone	32	5,633	36	36	36	36	28	28	138	3,161	9,131
041.3 - Waste Sites	5	1,087	4	4	1	0	0	0	0	990	2,085
042.1 - FFTF	4	580	4	4	4	4	4	4	21	413	1,040
	501	**61,948**	**526**	**525**	**522**	**522**	**514**	**514**	**2,626**	**39,378**	**107,075**
3D - Soil & Groundwater Remediation											
030.1 - Soil & GW Remediation	197	15,563	252	264	278	283	289	301	1,465	18,008	36,704
	197	**15,563**	**252**	**264**	**278**	**283**	**289**	**301**	**1,465**	**18,008**	**36,704**
3F - Engineering, Projects & Construction											
000.F - Eng/Procurement & Construction	12	1,216	13	13	13	13	13	13	67	766	2,129
030.3 - EPC - Groundwater	2	3,331	6	6	0	0	0	0	0	0	3,343
	14	**4,547**	**19**	**19**	**13**	**13**	**13**	**13**	**67**	**766**	**5,472**
Grand Totals:	**1,255**	**124,648**	**1,472**	**1,481**	**1,493**	**1,505**	**1,510**	**1,515**	**7,574**	**83,525**	**224,723**

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) 2012/10/01
b. LOCATION (Address and ZIP Code) Richland, WA 99354	b. NUMBER DE-AC06-08RL14788		b. PHASE Base	b. TO (YYYY/MM/DD) 2012/10/21
	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:	24,427	23,176	21,788	(1,251)	-5.1%	1,388	6.0%	0.95	1.06
Cumulative:	3,068,663	3,059,021	3,021,000	(9,641)	-0.3%	38,022	1.2%	1.00	1.01
	BAC	EAC	VAC in $	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,364,704	5,310,329	54,375	1.0%	1.0	1.0			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-$1.3M) is primarily due to RL-0012 Sludge Treatment Project negative variance (-$0.7M) continued delays with the Annex construction as design issues are resolved and changes implemented. Additionally, delays in the Final Settler Tank Retrieval are the result of focus on the CVDF layup while requirements and need are being evaluated. RL-0011 PFP Closure Project negative variance (-$0.5M) is due to Recovery actions as a result of chemical hazards encountered in the 234-5Z Duct Level and the Plutonium Reclamation Facility and FY2013 Planned work scope that was completed early in FY2012. This was partially offset by executing work on behind schedule scope that was planned in FY2012.

Current Period Cost Variance: The Current Month favorable Cost Variance (+$1.4M) is primarily reflected in the RL-0012, 100K Area Project, having less labor for the month than planned for the KW Operations portion of scope and MSA costs supporting maintenance were less than planned. For the Sludge Treatment Project, cost for the Final Performance Bond was less than budgeted and was costed in the previous month. The RL-0013 positive variance is due to Implementation of planned efficiencies.

Cumulative Schedule Variance: The Cumulative Schedule Variance (-$9.6M) is within reporting thresholds.

Cumulative Cost Variance: The Cumulative Cost Variance (+$38.0M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+$16.1M) and prior year G&A/DD/PSD distribution variances (+21.9M).

Impact:

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

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

CTD Schedule: For PBS RL-11, KPP - Given the schedule impacts to date and the remaining time to recover, the PFP project will continue working four field work teams until the completion of the KPP glovebox work scope in May 2014. This will allow in-situ size reduction of gloveboxes to complete as planned in May 2014. The continuation of four teams to support KPP completion is part of the FY2013 PMB Update. Reduced funding, and workforce restructuring impacts of D&D field teams is pushing completion of follow-on work, causing closeout activities to slip, impacting TPA Milestone M-083-00A. The top ten critical float paths contain activities associated with D&D 236-Z (PRF), 234-5Z final filter removal, and demolition of electrical switchyard. 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, completion of TPA Milestone M-083-44 by 9/30/2015 is at risk. Unless additional funding is made available early FY2013, this milestone will not be recoverable. Current forecast is showing a 25-day delay to TPA Milestone M-083-00A. Recovery plans are being evaluated and will be implemented in the next accounting period. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015 Baseline: February 16, 2016 Forecast: June 8, 2016. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016. Forecast: October 25, 2016. 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. For RL-12, RL-13, RL-30, RL-40, RL-41 and RL-42, the schedule variance is within threshold with no significant impact.

CTD Cost: For PBS RL-11, an over-run at completion is forecast, primarily due to sunk costs from prior years related to greater complexity of work than originally assumed and the cost to complete behind-schedule FY2012 work scope. The EAC currently does not include the cost of extending support staff required to support delayed completion of TPA Milestone M-083-00A. After recovery plans are implemented, the EAC will be updated if necessary to reflect additional support staff that may be required to meet the TPA milestone. In RL-13, RL-040, RL-41 and RL-42, under runs are forecast based on efficiencies, partially offset by roof repair expected later this fiscal year in RL-42.

Corrective Action:

Current Period Schedule: For PBS RL-11, and RL-41, see CTD Schedule. No other corrective actions are required.

Current Period Cost: For RL-41 D&D, current cost variances are covered by efficiencies in other D&D areas. O-Zone Waste Site remediation current cost variances are favorable; no corrective action required. Cost overruns are being managed and actions are being taken to funds manage cost overruns and underruns. No other corrective actions are required.

CTD Schedule: For PBS RL-11, the following corrective actions are in place: 1. BCR-PRC-12-016R0, "FY2013 Annual PMB Update," extended schedule and increased budget for the PFP Closure Project, as a result of funding reductions in FY2013 and FY2014. The BCR was implemented in Oct-2012 – COMPLETE. 2. Overtime is being used for specific priority work scope to recover schedule slippage. This action continues. 3. Two process vacuum line teams will be fully staffed in October 2012, which will accelerate 26" process vacuum removal and result in more timely size reduction of removed piping – COMPLETE. NOTE: The teams are being deployed to complete non-intrusive work scope on back shifts to ensure work teams are not hindered in pipe cut efforts during the day. 4. Overtime will be used 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. No other corrective actions are required.

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

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

Unfavorable October schedule variance primarily resulted two projects:

- RL-0011 – Recovery actions as a result of chemical hazards encountered in the 234-5Z Duct Level and the Plutonium Reclamation Facility and FY2013 Planned work scope that was completed early in FY2012. This was partially offset by executing work on behind schedule scope that was planned in FY2012.
- RL-0012 – Sludge Treatment Project continued delays with the Annex construction as design issues are resolved and changes implemented. Additionally, delays in the Final Settler Tank Retrieval are the result of focus on the CVDF layup while requirements and need are being evaluated.

Cost performance in October reflects favorable cost variance in RL-0013 due implementation of planned efficiencies and in RL-0012 due to the 100K Area Project having less labor for the month than planned for the KW Operations portion of scope and MSA costs supporting maintenance were less than planned. For the Sludge Treatment Project, cost for the Final Performance Bond was less than budgeted and was costed in the previous month.

Corrective actions are reflected in the FY2013 Annual PMB Update implemented this month. For PFP, corrective actions include applying more resources to RMA/RMC to meet overall PFP schedule objectives, use of overtime to recover schedule slippage and use of two process vacuum line teams to accelerate 26" process vacuum removal and result in more timely size reduction of removed piping. Additionally, schedule recovery actions are being explored to recover the D&D structure demolition and waste site remediation schedule activities where they can to offset delays of other demolition and remediation activities.

No other significant impacts have been identified and no other corrective actions are required.

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a positive $54.4 million and +1.0% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- $15 million.

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

Base & ARRA

CPs - In Process		
	Total Authorized Unpriced Work	**$24,850,480**
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	**-**
	Grand Total Adjustments	**$24,850,480**

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

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
BCR-PRC-12-016R0	*Fiscal Year (FY) 2013 Annual Performance Measurement Baseline Update*	*2013 - 2018*	*($22,508K)*
Overall MR Change in September 2012 decreased -$2,294K			

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	11/20/2012		

(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

K. A. Dorr
Vice President for
Engineering, Projects
and Construction

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

October 2012
CHPRC-2012-10, 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-DWF&RS-OB1-T1	Reduce the generation and/or toxicity of waste at the source.	Identify a new mission for the Cold Vacuum Drying Facility (CVDF).	9/30/13	10%
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.	09/30/13	0%
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	0%
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	0%
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.	08/31/13	0%
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	9%
13-EMS-SGWR-OB1-T1	Reduce chemical use at S&GRP pump and treat facilities per unit of groundwater treated.	Establish a baseline for chemical use per unit of groundwater treated (e.g. each 10,000 gallons treated) at the 200-West Area and 100 Area Pump-and-Treat Facilities during FY2013.	10/30/13	8%
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	0%

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump-and-treat facilities during FY2013.	09/30/13	9%
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.	09/30/13	0%
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.	09/30/13	8%
13-EMS-PFP-OB1-T1	Streamline PFP's excess/reuse/recycle program to reduce the storage time for excess/reusable items.	A. Develop and implement project requirements/controls/guidelines for better coordination with Hanford excess/reuse/recycle program. B. Reduce storage time in the 212-Z Lag Storage to prevent excess/reuse/recycle items from becoming unusable. C. Implement better controls for PFP's 212-Z Lag Storage by requiring disposition identification and appropriate coordination completion prior to storage at 212-Z.	09/30/13	0%
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	0%
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	0%
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	0%
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	33%

Objective #	Objective	Target	Due Date	Status
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	0%
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	0%
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	2	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 October, the CHPRC Functional Program organizations continue with no Total Recordable Injuries, have accumulated over 1,764,367 person hours worked without a recordable injury (two years and 4 months), and over 2,968,396 person hours worked (over 4 years) without a DART case.
  - Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Continued support of site-wide standards committees and site-wide steering committees, including the development of training materials for the new Global Harmonization System (GHS).
    - Continued progress with the corrective action plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
    - Continued implementation efforts with new Site-wide Respiratory Protection Program, including support to the Emergency Preparedness organization for respiratory protection use in drills and emergencies.
    - Supported the Nuclear Safety Performance Evaluation Board at the Liquid Waste and Fuel Storage (LWFS) Organizations of the Decommissioning, Waste, Fuels & Remediation Services (DWF&RS).
    - Provided support to DWF&RS for the Effluent Treatment Facility (ETF) Heat Exchanger maintenance work.
    - Continued efforts on development of the process for safety observation program.
    - Developed a GAP Analysis Tool for the Voluntary Protection Program (VPP).
    - Developed a VPP Safety Participation Survey for future distribution to workforce.
    - Provided support to the site wide evaluation process for a test borehole pad for a natural gas pipeline.
    - Developed a new Chemical Management Program.
  - Fire Protection accomplishments:
    - Issued five fire permits.
    - Conducted eight surveillances.
    - Reviewed, completed, and documented three Fire Hazard Analyses.
    - Completed all required corrective actions for three Condition Reports.
  - Emergency Preparedness (EP) accomplishments:
    - Nine drills were performed in October, six were operational drills.
    - Received request from PANTEX to host benchmarking of CHPRC EP Program and Waste Encapsulation and Storage Facility Beyond Design Basis Activities based on Defense Nuclear Facilities Evaluation Board (DNFSB) recommendation. Visit scheduled for January 2013.
    - Updated FY2013 EP improvement initiatives to include improving the overall training value of drills and partnering with Facility Operations during FY2013 to ensure EP Program ownership.
  - Radiological Control accomplishments:
    - Performed dose calculations to support Nuclear Safety and Waste Characterization activities.
    - Supported site-wide initiative to transition Dosimetry and Radiological Exposure Records Services from the Pacific Northwest National Laboratory to the Mission Support Alliance, LLC (MSA).
    - Approved nine Administrative Control Level extensions for Plutonium Finishing Plant (PFP)

workers.
- Initiated assessment of leased/rented/contracted equipment.
- Initiated assessment of CHPRC Radiological requirement flow-down.

o Operations Program accomplishments:
- Provided support for launching the updated respiratory protection program.
- Completed updates on the Conduct of Operations Lines of Inquiry to align with DOE O 422.1.
- Supported updates to the Waste & Fuels Management Project Conduct of Operations Implementation Matrix to prepare for resubmittal to RL.
- Updated and published revised Worksite Hazard Analysis form.
- Received notice that the calibration contract has been shifted from Energy Northwest to a Redmond, WA, based company called Micro Precision Instruments. Several issues resulted in an implementation delay until December 1, 2012.
- Coordinated a kick-off meeting between MSA Fire Systems Maintenance and CHPRC Engineering personal, aimed at standardizing the JCS Component Index.
- The Conduct of Operations Champions Team is working on improvements in the areas of safety related surveillance and test results review and approval process as well as supporting the development of briefing materials related to continuous improvement in the area of procedure compliance and execution requirements.

o Nuclear Safety deliverables prepared and transmitted to RL in October include:
- Documented Safety Analysis:
  - Letter, CHPRC-1202189 R3, dated October 3, 2012, *Implementation of Final Hazard Categorization for 105-K East Reactor Building.*
  - Letter, CHPRC-1204322, dated October 24, 2012, *Submittal of the Annual Update to the 105-K West Basin Safety Basis Documents.*
  - Letter, CHPRC-1204383, dated October 29, 2012, *Transmittal of the Annual Update to the Plutonium-Uranium Extraction Facility Documented Safety Analysis, CP-14977, Revision 6, and the Unreviewed Safety Question Determination Summary*.
  - Letter, CHPRC-1204485, dated October 30, 2012, *Transmittal of the 2012 Annual Update to HNF-40627, 200 Area Interim Storage Area Documented Safety Analysis, Revision 1, HNF-48108, 200 Area Interim Storage Area Technical Safety Requirements, Revision 1, and the Unreviewed Safety Question Determination Summary*.
  - Letter, CHPRC-1204638, dated October 31, 2012, *Transmittal of the Waste Encapsulation and Storage Facility 2012 Safety Basis Annual Update, the Annual Unreivewed Safety Question Report, and the List of Safety Basis Documents*.
- Nuclear Safety deliverables received from RL in October include:
  - Letter, 13-SED-0008, dated October 29, 2012, *Request for Approval of the Annual Update for B Plant Facility and Plutonium-Uranium Extraction (PUREX) Facility Authorization Agreements*.

o Contractor Oversight, Assurance & Reporting accomplishments:
- The Trend Working Group met in October to discuss ways in which the different projects incorporate trending information in continuous improvement activities.
- During October, 322 CRs were screened:
  - 1 significant
  - 5 adverse
  - 153 TUF
  - 57 TO
  - 101 OFI

    - 5 Screened Out.
  - Continued FY2012 software upgrades to the Integrated Evaluation Plan (IEP) software.
  - Commenced the CHPRC Radiation Protection Program 10 CFR 835 triennial assessment of Subpart K, Design and Control (SHS&Q-2013-SURV-10692).
  - Completed evaluation of all Management Assessments (MA) and selected Work Site Assessments (WSA) completed during October and provided feedback, coaching and mentoring to the assessors and responsible managers to help improve the quality of future activities.
  - Provided team training on selection and use of assessment tools, and report writing to SHS&Q staff members to improve the usefulness and quality of the activities being performed.
  - Developed and deployed a required reading presentation for all CHPRC members who had completed MA/WSA computer based training to increase awareness of the requirements for the proper marking and handling of assessment reports containing Official Use Only (OUO) material.
  - Commenced an effort to update the CHPRC Startup Readiness procedures to address comments raised by the DNFSB and DOE-HQ, incorporate improvements suggested by CHPRC team members and ideas from complex wide lessons learned.
  - Finalized FY2012 Performance Objectives, Measures, and Commitments (POMC) status with RL.
  - Finalized FY2012 Safety Performance Measures and Objectives with RL.
- Quality Assurance accomplishments:
  - Briefed Quality Assurance Staff on the Multi-Canister Overpack (MCO) event and reiterated expectations on performance of Quality Assurance (QA) and Quality Control (QC) activities.
  - Continue to support comment resolution for the DOE-HQ Suspect/Counterfeit Resource Manual.
  - Participated on the investigation team for the MCO-394 Small Vent Plug and Stat-O-Seal not installed event.
  - Developed extent of condition review strategy to support independent review of QA/QC activities associated with MCO-394 event.
  - Identified and helped resolve multiple quality errors in the placement of the rebar mat for the foundation of the K-Basin Annex.
  - Issued OCRWM quarterly report.

- 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.
    Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implemented Beryllium work permit at PFP.
  - **Issue:** Asbestos Employee Concern/Stop Work.
    Status: Site wide actions underway. Short and mid-term actions are complete. Steamline asbestos work is underway.
    Action: CHPRC point of contact interfacing with concerned employee to lift stop work.

Environmental Program and Strategic Planning (EP&SP)
Environmental Management System

- The FY2013 EMS Objectives and Targets have been approved by Senior Management.

- The Environmental Policy has been revised to incorporate DOE Order 436.1 and has been reviewed and approved by Senior Management.

Environmental Protection

- **Potential Compliance Item Status**
  - **ETF Powder:** Although a series of discussions with U.S. Environmental Protection Agency (EPA) has not resulted in agreement on continued disposal of ETF powder residue at Environmental Restoration Disposal Facility, EPA has agreed and documented that there is no reason to retrieve powder residue disposed prior to identification of this issue. ETF processing has been changed to separately treat incoming liquid streams as a result. Other options are being considered, including a delisting petition, and a letter that would raise the issue to senior RL and EPA staff.
  - **Asbestos:** CHPRC continues to work with RL and EPA on asbestos management issues. The EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Inspector returned to Hanford October 18, 2012 to provide more details on his findings, started the technical discussion on the path forward, and conducted a NESHAP discussion/training session. CHPRC developed and submitted the response to the inspector's additional information requests. Developed and submitted a response to a DOE-HQ information request for future transit-containing facility demolition work. Potential compliance actions remain over the number of ACM transite chips found near some Deactivation and Decommissioning (D&D) areas, and that a bag of possible ACM and soil may not have been adequately wetted. Continued development of a NESHAP training package for Hanford personnel, scheduled to be delivered in early December 2012.
  - **Central Waste Complex Box 231ZDR-11 and WRAP Drum Leak Reports:** Ecology inspection reports were received on 9/28/2012 by RL. On 10/11/2012, Ecology provided a draft "Agreed Order" (compliance order) specifying specific alleged regulatory violations. Negotiations on the draft were held the following week. Ecology has promised a second version of the draft. The reports and draft order raise concerns on spill reporting, response, container management, permitting, acceptable knowledge, waste analysis and other items.
  - **EPA NEIC Audit:** No response has been received from EPA on RL provided July submittals. It is expected that EPA will proceed with enforcement on permit conditions accepted by Ecology over the past 12 years.
- **RCRA Draft Permit:** With delivery of comment package (see below), RL has begun discussions with CHPRC on preparing for an anticipated appeal by the permittees of the final permit.
- **Accomplishments:**
  - Contractor/RL 3,700 page comment package on draft Hanford Facility RCRA Permit Renewal delivered to Ecology October 18, four days early. Kudos from customer for CHPRC support on package.
  - Provided time-critical review of RCRA TSD operating records to RL, in support of Central Waste Complex and Waste Receiving and Processing Facility (WRAP) compliance negotiations with Ecology.
  - No reportable spill events.
  - Approximately 40% of the underground injection control well storm water assessments were completed by month-end. On target to complete by end of November (over 400 wells).
  - Three regulatory inspections performed during the month, no issues.
  - Started planning for more field presence and cross-training of EP&SP personnel.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessments Completed in October**
  - Independent Assessment of EP&SP Environmental Records – three Findings identified
  - Review of MLLW/TRUM Inventory for confirmation with SWITS – three Findings and two

Opportunity for Improvements (OFI) identified
  - Review Dangerous Waste Criteria: Establishing Waste Streams, Container Labeling, Training and Qualification – One OFI identified
  - Assessment and Validation of D4 Asbestos Demolition Summary Table – Identified one Finding
- **Ongoing Assessments**
  - Environmental Compliance Inspection - Pollution Prevention (P2) – Field Work in process
  - Environmental Compliance Inspection - Underground Injection Control – Field Work in process
- **Assessments Upcoming this Quarter**
  - Sludge Removal
  - Effluent & Environmental Monitoring
  - Pesticide & Herbicide Management
  - Environmental Notifications
  - Asbestos Management

Business Services

Acquisition Planning

- In final stages of Option Period Strategy development for presentation to RL.
- Working with subject matter experts (SMEs) to develop statements of work for work scope currently being performed by Other Hanford Contractors to utilize small businesses (i.e., NEC Inspections, Flame Retardant Clothing, and Third Party Inspections).
- Initial Acquisition Strategy Plan completed and posted on Procurement website.

Facilities

- Washington River Protection Solutions (WRPS) has taken occupancy of the first floor of 2420 Stevens Center. Facility now completely utilized.

Finance

- Responded to KPMG requests for data relative to the FY2013 forward pricing rate audit.
- Successfully started up FY2013 with no issues.

Procurement

- For the month of October 2012, the Procurement group awarded 96 new contracts with a total value of $13.7M, amended 353 existing contracts with a total value of $26.6M, for a grand total of $40.3M. Additionally, awarded 238 new material Purchase Orders valued at $508K to support ongoing project objectives.
- At the end of the first 49 months of the PRC, procurement volume has been significant; $2.0B in contract activity has been recorded with approximately 48.8% or $981M in awards to small businesses. This includes 5,998 contract releases, 13,845 purchase orders, and 206,612 P-Card transactions.

Material Services

- Completed all actions for internal P-Card audits IA12-02 and IA12-09. Updated the P-Card Holder's User Manual.
- Developed several Asset Suite, P-Card, and Electronic Bills of Material (eBOM) system queries to support various customers such as Quality Assurance, Nuclear Safety Performance Evaluation Board, PFP Management, Design Authorities, and Material Services manager.
- Created "how to" messages to eBOM and P-Card users in response to comments received on the Material Services Customer survey. Customer survey results were included in the CHPRC Balanced Scorecard Report.

Information Technology &Services

- Completed transition of 235 BlackBerries to Personally-Owned Devices (PODs) and reconciled with the cellular stipend program.

Prime Contract and Project Integration (PC&PI)

In October, Prime Contracts received and processed three contract modifications (numbers 245, 247, 248) from RL. The Correspondence Review Team reviewed and determined the distribution for 43 incoming letters and the Prime Contracts Manager reviewed 34 outgoing correspondence packages.

Contract Compliance and Change Management supported Interface Management by leading the preparation of a draft cost/benefit analysis for the potential self-performance of scaffolding erection and disassemble. After drafting the analysis and reviewing it with the MSA and Washington River Protection Solutions, at CHPRC's recommendation, the Contractor Interface Board agreed to put further activity on it on hold and to pursue maximizing the effectiveness of scaffolding erection and dissemble utilizing the current business model of CHPRC retaining MSA Crane and Rigging to perform this service.

The Estimating group provided project support as follows:

- DWF&RS Project:
  - In support of the project's evaluation of out-year funding needs, in light of TPA negotiations, participated in the development of a rough order magnitude (ROM) estimate for the remaining activities to demolish U Canyon and complete the implementation area remediation, including barrier installation.
- Sludge Treatment Project:
  - Estimating finalized and submitted the Change Proposal responding to prospective Change Order 186, "Garnet Filter Media Removal Phase I", on November 6, 2012.
  - Estimating continued work on the review and development of estimates for change orders submitted by FE&C, related to the Annex Construction project. In addition to addressing thirty change package submittals, estimating is working on an update to the overall estimate to reflect the 90% to 100% design progression.
- Plutonium Finishing Plant Closure Project:
  - Provided a ROM estimate in support of concept development for removal of waste / equipment from the Plutonium Reclamation Facility, using a strong back structure, during deactivation.
- Soil and Groundwater Remediation Project
  - Provided comparisons between the Plateau Remediation Contract (PRC) Request for Proposal (RFP), the CHPRC Proposal, and the baseline, to assist in resolution of questions from RL regarding the tracking of work scope from the initial requirements, through the present PRC listed work scope (focus areas – Pump-and-Treat Facility D&D and Groundwater Well Installations.
- Engineering, Projects and Construction:
  - Provided a reasonableness review for a Task Charging Authorization (TCA) provided to Construction Forces for the closure of below grade openings at the K East Reactor.
- Environmental Program & Strategic Planning:
  - Participated in development and submittal of information requested by the DOE-HQ Asbestos Abatement Working Group that is focusing on alternative asbestos removal methods, and seeking approval from the EPA of one or more methods. Estimating provided input to the identification of facilities containing asbestos panels (transite siding) and a ROM cost of removal utilizing manual (non-mechanical demolition) methods.
- Activities associated with Sage/Timberline estimating software included:
  - Update of the CHPRC and Subcontractor labor rates for FY2013
  - Update of Material Pricing for commonly used items
  - Issued a request to LMIT to determine the cause of occasional software lock-up and improvement of overall reliability
  - Continued work to refine data processing as influenced by P6-integrator, new pension and G&A application routines
  - Continued organizing Timberline data to better support ongoing estimating efforts (both Change

Proposal and Performance Measurement Baseline)

- Facility Services Department:
  - Estimating provided an estimate for use in a Request for Service (RFS) associated with the transfer of a Komatsu Model 1200 Excavator from the Hanford site.
- Estimating completed work with the MSA and Babcock Services planned for FY2012 to improve the Timberline/COBRA estimate pricing and report generation process through the use of automated data interfaces, and process improvement.
- Interface Management worked with the MSA , WRPS, and the Contractor Interface Board (CIB) to identify the following RL J.3, *Hanford Site Services and Interface Requirements Matrix*, services as candidates to change some services from 'Mandatory' to 'Optional' services:
  - #20, Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance)
  - #32a, Radiological Site Services (RSS), Instrument Calibration
  - #33, Analytical Services (Chemical and Low-Level Radiological Analysis)
  - #36, Facility Services
  - #37, Motor Carrier Services
  - #94, Sample Analysis (Highly Radioactive)
- CHPRC is working with the MSA and WRPS to prioritize the development of business cases for changing the above services to optional within the current schedule for other Business Cases that have been endorsed by the CIB.
- Changes made to Section J, Attachment J.3, Interface Number 35, Crane and Rigging, during FY2011 removed "scaffolding erection" from the description of the service. Since that time, CHPRC has been obtaining "scaffolding erection" from the MSA as an optional service. Scaffolding is essential to CHPRC achieving their mission and integral to the daily execution of their projects. CHPRC believes that self-performing this function could eliminate the personnel management complexities associated with the current method of performance of utilizing MSA Ironworker Riggers working under CHPRC supervision and initiated steps to self-perform this function beginning in FY2013. This transition was put on hold when the PRC RL Contracting Officer directed CHPRC to work with other contractors potentially affected by this transition to develop and submit to RL a cost benefit analysis for the change prior to CHPRC taking any hiring or workforce restructuring actions related to making changes with respect to the performing contractor of scaffolding erection. Based on this direction, CHPRC initiated preparation of the requested analysis in conjunction with the MSA and WRPS.
- Interface Management worked with WRPS Interface Management to finalize an update to the Memorandum of Agreement (MOA) for the Performance and Payment of Services between WRPS and CHPRC.
- Interface Management worked with the MSA and WRPS to incorporate RL comments to the annual update to the Hanford Site Interface Management Plan. The revised document was formally submitted to RL by the MSA on September 27, 2012.
- Continued supporting efforts associated with the FY2015 – 2019 Budget Formulation process.
- Began preparations to perform FY2013 self-assessments, mainly centered around Earned Value Management System compliance.

Engineering, Projects and Construction (EPC)

- Central Engineering (CE) completed the review and checking of the Solid Waste Operation, General Purpose Burial Box Over-pack for housing and transporting the 231-ZD-R11 Concrete Waste Container.
- CE continues to support the repair of the ETF evaporator heat exchanger vessel. The plan to use Fluor Enterprises' "R" Stamp program is continuing. Nondestructive examination of the vessel is

continuing. The qualification of the welders planned to be used for the repair has been qualified in accordance with the Fluor Corporate Welding Manual.

- CE completed an assessment (EPC-WSA-2012-10805) of the Commercial Grade Dedication process. The assessment resulted in two findings and four Opportunities for Improvement. As a general rule, CHPRC staff appears to be doing good work in front end preparation of CGD packages; however, weaknesses were identified in the final dedication and document close-out portions of the process.
- CE assisted RL in the interpretation of the results & conclusions of the Structural Evaluation of Waste Encapsulation and Storage Facility (WESF) Concrete Degradation Due to Radiation report (CHPRC-01858).
- CE is chartering a team with members from functional organizations and CHPRC Projects to optimize the CHPRC Commercial Grade Dedication process.
- CE reviewed the Sludge Treatment Project (STP) Engineered Container Retrieval and Transport System (ECRTS) Failure Modes and Effects Analysis (FMEA), PRC-STP-00680 as a follow-on resolution of a comment made during the STP ECRTS Final Design Review to verify that the design of the Safety Instrumented Systems (SISs). The FMEA incorporated fault tree analysis of the Safety Instrumented functions (SIF) to determine if they achieve the specified Safety Integrity Level (SIL-2). Comments have been shared with the author
- CE assisted PFP with AHJ approval of non-Nationally Recognized Testing Lab (NRTL) certified variable speed vacuums used for glove boxes. NRTL alternatives that met their application requirements were not found and PFP was directed by the AHJ to procure a vacuum and drop ship it to an NRTL field evaluator, which determined that the vacuum was NRTL compliant. The AHJ approved 6 vacuums from the same manufacturer with the same model number based on the NRTL field evaluation report. CE originated AHJ approval package CHPRC-2012-20 for six vacuums with the same manufacturer/model number and they were determined acceptable for use based on the NRTL field evaluation report.
- CE is supporting the Sludge Treatment Project (STP) Engineered Container Retrieval and Transfer System (ECRST) team in the review and resolution of structural issues as a result of project review comments (RCRs) and design changes (DCNs) by AREVA/Meier Engineering.
- CE is assisting STP ECRTS with STP control system validation. A mock-up of the control system has been constructed at Maintenance and Storage Facility (MASF) based on the current design. CE is working with I&C, Operations, and electricians, validating the operational sequences are acceptable and utilizing a redline process for changes.
- CE prepared and issued a Facility Management Plan (FMP) to correct the specification of an electrical disconnect fuse type for power to ARRA trailers located near WRAP. The FMP was prepared in response to a safety concern identified by Solid Waste Operations Complex (SWOC) Engineering personnel.
- CE assisted 200 West Pump & Treat project by reviewing and providing recommended dispositions for open submittals.
- CE learned of a need at PFP for Kynar® piping to use for standardization of an ultrasonic liquid detection instrument. The instrument is being used in PFP field walkdowns looking for legacy liquids in abandoned piping systems. CE was able to locate piping through the DWF&RS SWOC Engineering organization; the piping has been used by PFP to develop a standard setting for use in evaluating Kynar® piping in the field.
- While attending the SWOC/CP/S&M Engineering staff meeting, CE was made aware of a potential electrical configuration issue at the mobile office complex near the WRAP facility. CE resources were assigned to investigate and have initiated the corrective Facility Modification Package.
- CE provided the following HVAC Engineering support to the Sludge Treatment Project: (DES)
  - Obtained final signatures and Release of DCN-042, 44577-SPEC-M-003 KW Basin Annex

Modifications High-Efficiency Particulate Air (HEPA) Filter Housings and Exhaust Fans Technical Specifications and PRC-STP-00383 STP ECRTS Exhaust Ventilation Equipment ASME Ag-1a 2009 Compliance Matrix Plan

- Reviewed submittal 374 regarding Annex stack fabrication shop drawings and deviations, and provided comment to approver
- Reviewed submittal 591 regarding subcontractor addressing seismic requirements imposed on HEPA Filter skid.
- Reviewed STP Safety component List (DRAFT submittal from AE firm) and compared to Safety Equipment List.
- Attended training on new DMCS submittal work flow process.
- Met with RL HVAC SME to discuss ASME AG-1 Compliance Matrix Deviations
- Continued development of DCN-043 to provide for the ability to have local ventilation on top of the STSC during disconnect and capping procedures.
- Participated in Conference call to address any vendor/subcontractor question regarding changes due to DCN-042.

Communications

Internal

- Produced two episodes of InSite, the biweekly news broadcast, with segments included a fiscal year wrap-up, message from CHPRC President John Fulton, Voluntary Protection Program activities in the field, and the CHPRC United Way campaign.
- Supported the CHPRC projects for the upcoming all-hands meetings.
- Produced five issues of the Weekly Update, with manager messages from CHPRC President John Fulton; Business Services Vice President Vicki Bogenberger; Environmental Program and Strategic Planning Vice President Moses Jaraysi; SHS&Q Vice President Terry Vaughn; and PFP Closure Vice President Jerry Long.
- Produced Environmental Management System poster for continued awareness.
- Supported Voluntary Protection Program awareness campaign, creating poster series for display around the worksites.
- Kicked off the United Way Campaign with InSite messages, posters, an internal web page and an informational session.

External

- Supported a three-day visit from Steve Featherstone with Business Week.
- Sustainable design and construction of the 200 West Pump-and-Treat system was featured in the Seattle Daily Journal of Commerce.
- The Sludge Treatment Project team and 200 West Pump-and-Treat system were featured in an EM News Flash on recent RL achievements and recognition awards.
- Supported RL with media for the last shipment of knockout pot sludge and removal of PFP's largest glovebox to date. The events were featured by the Tri-City Herald, local media and RL's social media sites.
- Completion of the Knock-Out Pot sludge removal was featured in the EM Update newsletter.

Public Involvement

- Supported development of RL agency update presentation to the Hanford Advisory Board.
- Supported planning for public involvement on proposed changes to the Tri-Party Agreement. Collaborated on a fact sheet to be mailed to stakeholders at the beginning of the comment period and drafted an ad announcing the start of the comment period.

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 (%)	Budget at Completion (BAC)
Indirect WBS 000 Total	**4.0**	**4.0**	**4.0**	**0.0**	**0.0%**	**(0.0)**	**-0.3%**	**66.3**
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	6.1%	1.1
Safety, Health, Security and Quality	0.9	0.9	0.8	0.0	0.0%	0.1	11.6%	15.5
Environmental Program and Strategic Planning	0.2	0.2	0.2	0.0	0.0%	(0.0)	-10.9%	3.6
Business Services	2.1	2.1	2.2	0.0	0.0%	(0.2)	-7.6%	34.7
Prime Contract and Project Integration	0.5	0.5	0.5	0.0	0.0%	0.0	4.0%	7.7
Engineering, Projects and Construction	0.2	0.2	0.2	0.0	0.0%	0.0	14.7%	3.7

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: (-$0.0M/-0.3%)

The Current Month negative variance is within reporting thresholds.

Contract-to-Date ($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)
Indirect WBS 000 Total	**465.3**	**465.3**	**435.2**	**0.0**	**0.0%**	**30.1**	**6.5%**	**854.0**
Communications	8.3	8.3	7.5	0.0	0.0%	0.8	9.0%	15.2
Safety, Health, Security and Quality	67.3	67.3	71.9	0.0	0.0%	(4.6)	-6.8%	144.8
Environmental Program and Strategic Planning	14.1	14.1	13.9	0.0	0.0%	0.2	1.5%	33.1
Business Services	314.2	314.2	286.8	0.0	0.0%	27.4	8.7%	530.8
Prime Contract and Project Integration	38.7	38.7	32.5	0.0	0.0%	6.2	15.9%	86.6
Engineering, Projects and Construction	22.7	22.7	22.6	0.0	0.0%	0.1	0.4%	43.5

Numbers are rounded to the nearest $0.1M.

Indirect WBS 000

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

CTD Cost Performance: (+$30.1M/+6.5%)

In FY2009 through FY2011, the positive variance for CHPRC G&A and D&D activities (+22.4M) was distributed by weighted percentage to the Base and ARRA PBSs. Beginning in FY2012, Project Services and Support (PS&S) cost was distributed via rates applied to total direct cost. The remaining G&A/DD Activities variance (+$7.7M) was incurred in FY2012 due to a partial Pension payment pending receipt of full funding from RL.

Baseline Change Requests

BCRA-PRC-12-017R0 – *FY2012 to FY2013 Administrative Fiscal Year Splits*

BCRA-PRC-12-019R0 – *FY2012 B.4 Table/Fee Alignment and MR Adjustment*

FY2013 G&A Analysis ($M)

WBS 000 Project Services and Support	FY2013 FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY2013 BCWS	FY2013 Forecast	FY2013 Variance (O)/U
General & Administrative (G&A)	**4.0**	**4.0**	**(0.0)**	**66.3**	**67.5**	**(1.2)**
Communications	0.1	0.1	0.0	1.1	1.1	0.0
Safety, Health, Security and Quality	0.9	0.8	0.1	15.5	16.0	(0.4)
Env. Program & Strategic Planning	0.2	0.2	(0.0)	3.6	3.6	(0.0)
Prime Contract and Project Integration	0.5	0.5	0.0	7.7	7.8	(0.1)
Business Services	2.1	2.2	(0.2)	34.7	35.3	(0.6)
Engineering, Projects & Construction	0.2	0.2	0.0	3.7	3.6	0.0

	FYTD	FY2013
G&A Distribution	**(3.7)**	**(66.0)**
G&A Liquidation (Over)/Under	**0.3**	**1.5**

Liquidation Analysis

For FY2013, Project Services and Support (PS&S), consists of only General and Administrative (G&A) accounts. Fiscal year to date through October, application of the G&A rate has fully liquidated total to date G&A costs. The FY2013 year end projected liquidation assumes an increase in the G&A base as well as an increase in the projected G&A costs, which results in a year-end under liquidation projection of $1.5M.

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.