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President and Chief
Executive Officer

Monthly Performance Report

U.S. Department of Energy Contract,
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Deliverable C.3.1.3.1 - 1

November 2012
CHPRC-2012-11, Rev. 0

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EXECUTIVE SUMMARY

- Along the Columbia River, CH2M HILL Plateau Remediation Company (CHPRC) revegetated areas surrounding the 105K-East Reactor, one of nine former plutonium production reactors at the Hanford Site. The areas are former waste sites that CHPRC excavated in previous years to remove contamination that resulted from reactor operations.
- CHPRC continued concrete pourbacks to close openings into the 105K-East Reactor, part of the process of preparing the reactor building for eventual interim safe storage.
- The CHPRC senior leadership team hosted a managers and supervisors meeting to kick off the new fiscal year. The group celebrated the prior year's accomplishments in safety and efficiencies. In addition, the team shared a look-ahead for goals and challenges in the current fiscal year 2013.
- CHPRC crews completed the safe and successful placement of a 7.5-ton lift station as part of construction of the 100K Modified Annex for the Sludge Treatment Project (STP). The annex will be integral in the transfer of the last highly radioactive sludge from the K West Basin to safe storage on the Central Plateau.



Revegetation at the 100K Area



Placement of a 7.5-ton lift station for the 100K Modified Annex

Focus on Safety

- The November 2012 President's Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security & Quality (SHS&Q) Organization. The three main ideas for the meeting were:
 - o Security Awareness
 - o Get Involved With Your Employee Zero Accident Councils (EZAC)
 - o Respect Winter Work Delays

The first presentation of the meeting was delivered by the Hanford Safeguard and Security organization and provided information for the audience's safekeeping. Key messages on the site's changing security mission, the need to scrutinize security services for effectiveness, and the vital role of employee involvement formed a haven of confidence in Hanford's protective force.

A presentation on the site snow removal plan demonstrated the site is blizzard-ready with a flurry of snow plows, road graders, ice melt and well established priorities to clear the lanes when snow is glistening. The CHPRC EZAC co-chairs were asked to stand and be recognized for their role as safety leaders and to encourage each individual in the crowd to seek out ways to support and get involved in EZAC activities. Stretch and Flex, Good News Stories, and reports on the CHPRC injury and illness performance, the Environmental Management System, and the Voluntary Protection Program rounded out the meeting.



- Four "Thinking Target Zero" bulletins were issued in November to convey important occupational safety and health messages:

- o Universal Waste
- o Winter Safety Campaign
- o Foggy Driving
- o Container Markings for Dangerous Waste

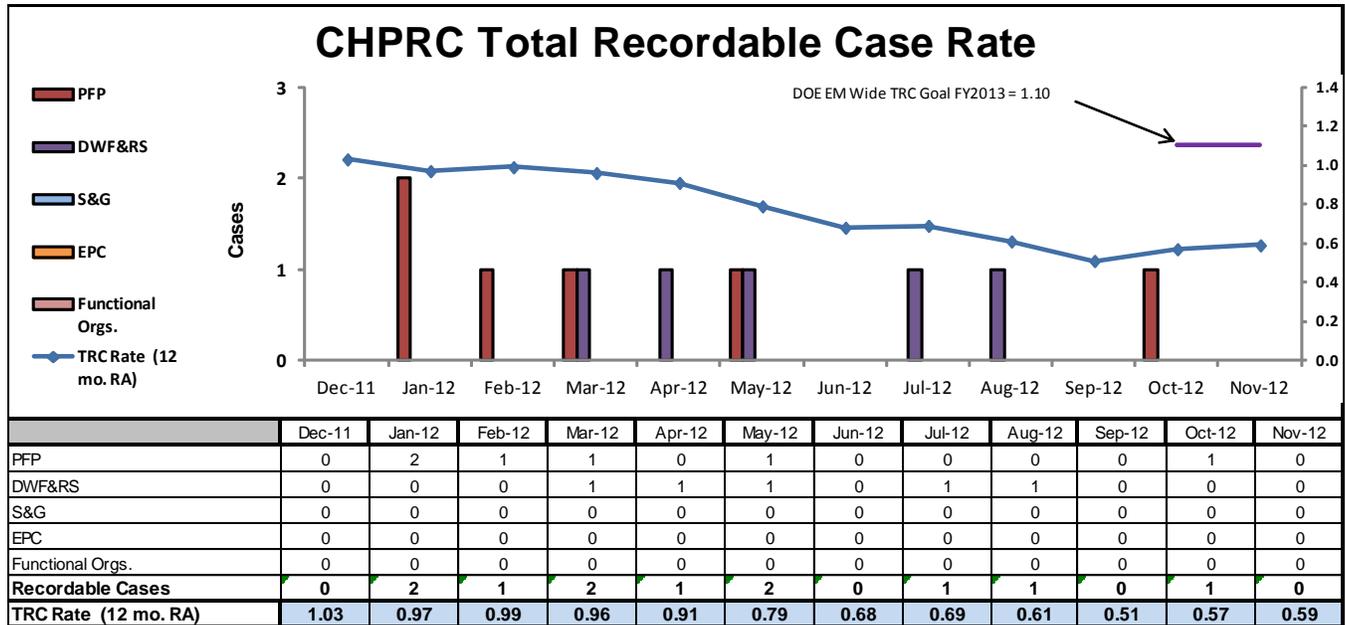
In addition, a *Special Safety Bulletin* was issued in November on Inspecting Chairs.



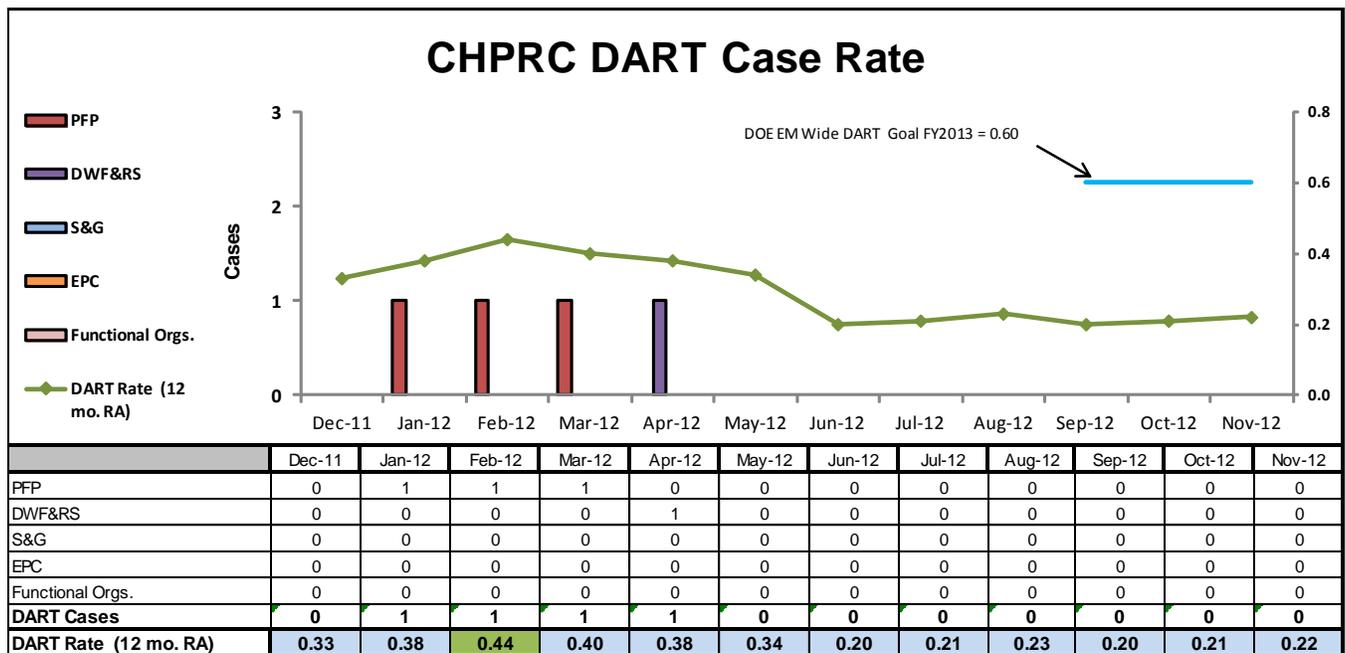
- The November *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - o Proper Packaging of Radioactive Material Using Yellow Plastic Wrapping
 - o Hard Hat Recycling
 - o Chair Safety
 - o Winter Safety Badge Cards
 - o Ergonomics
 - o Driving in Fog
 - o Thanksgiving Safety
 - o Safety Focus After a Long Holiday Weekend
 - o Summaries of injuries, illnesses, and close calls

TARGET ZERO PERFORMANCE November 2012

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



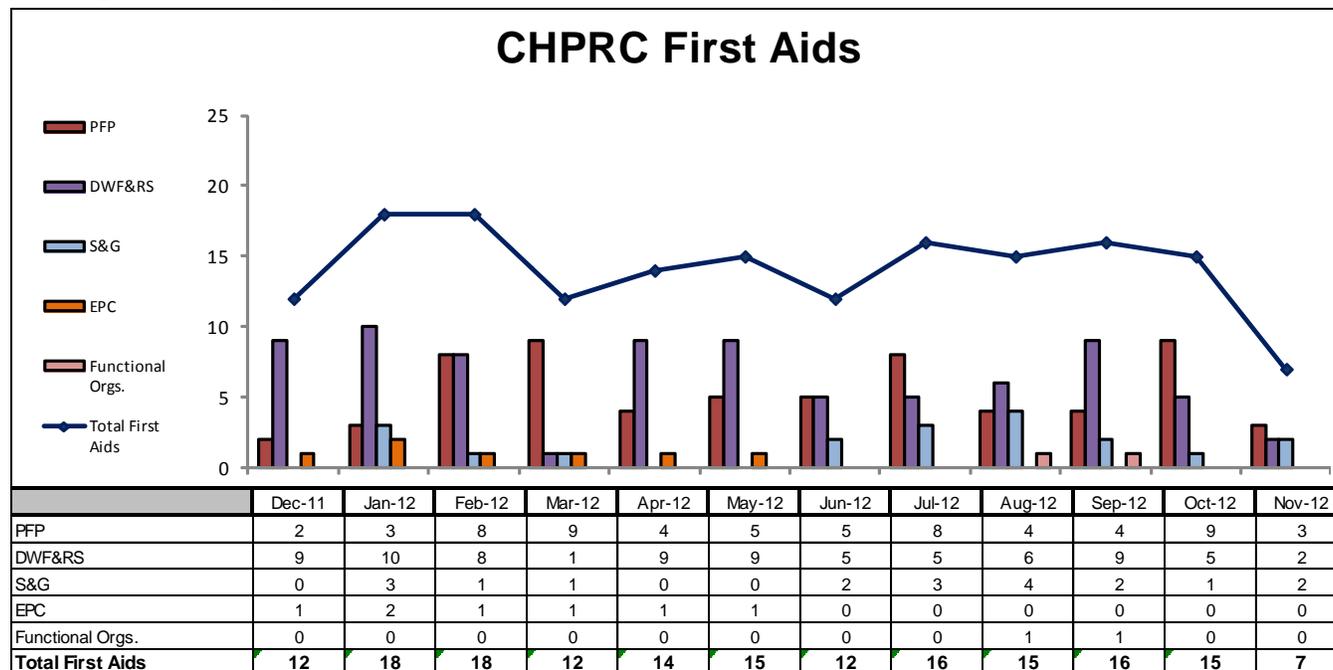
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.59 is based upon a total of eleven recordable injuries. There was one August 2012 case re-classified to Recordable in November 2012; an employee experienced groin pain after distributing cases of bottled water and was prescribed medication.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.22 is based upon a total of four cases (1 Restricted, 3 Days Away Cases). There were no DART cases for November 2012. There are no cases under review currently.

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

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



First Aid Case Summary – CHPRC reported seven first-aid cases in November 2012. The biggest contributors were five strains or sprains. The other injuries were varied.

KEY ACCOMPLISHMENTS

Projects

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

Project Services and Support

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

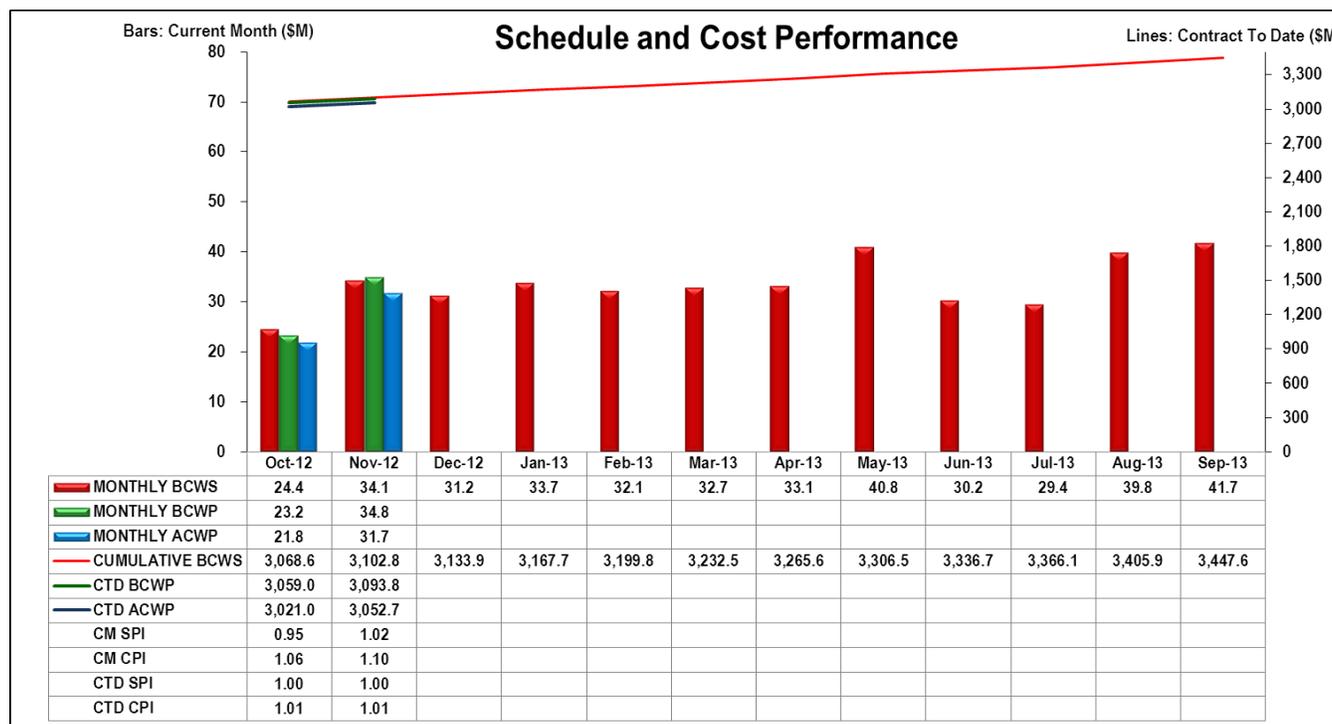
MAJOR ISSUES

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
PFP KPP-1 Gloveboxes Removed	11	1	2	0	3	0	0	0	3	147
PRF Canyon Pencil Tanks Removed	11	5	10	0	15	0	0	0	15	110
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	1	0	2	0	0	0	2	26
SW Ops Complex Container Inspections	13	3	5	0	8	0	0	0	8	112
Contaminated Groundwater Treated (million gallons)	30	126	143	0	269	0	0	0	269	3,444
Preventive Maintenance Packages Completed	40	38	27	0	65	0	0	0	65	978

EARNED VALUE MANAGEMENT



	\$M					\$M					\$M			
	Current Period					Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - Nuclear Materials Stab & Disp PFP	9.4	10.8	10.7	1.4	0.0	551.1	543.7	556.7	(7.4)	(12.9)	940.3	982.7	(42.4)	
RL-0012 - SNF Stabilization & Disposition	6.1	5.7	5.0	(0.5)	0.7	342.6	337.8	337.3	(4.8)	0.5	605.9	603.2	2.7	
RL-0013 - Solid Waste Stab & Disposition	7.8	7.8	6.8	(0.0)	0.9	715.4	715.0	705.7	(0.4)	9.3	1,344.1	1,326.4	17.7	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.0	8.0	7.1	(0.0)	0.8	820.0	821.5	824.8	1.5	(3.3)	1,491.0	1,490.5	0.5	
RL-0040 - Nuc Fac D&D - Remainder	1.1	1.3	0.8	0.1	0.5	366.3	366.2	339.7	(0.1)	26.5	488.7	460.8	28.0	
RL-0041 - Nuc Fac D&D - RC Closure Project	1.5	1.2	1.1	(0.3)	0.1	293.3	295.4	276.1	2.1	19.3	467.5	453.2	14.3	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1	14.2	14.2	12.4	0.0	1.8	26.5	24.5	2.1	
(Numbers are rounded to the nearest \$0.1M)	Total	34.1	34.8	31.7	0.7	3.1	3,102.8	3,093.8	3,052.7	(9.0)	41.2	5,364.1	5,341.2	22.8

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$22.8M with \$86.4M of Management Reserve for a total positive variance of \$109.2M.

Overall, the project was ~2% ahead of schedule and ~9% under cost in November.

Favorable schedule performance was primarily in RL-0011, partially offset by delays in RL-0012 and RL-0041:

- RL-0011 due to progress earned on work scheduled to be complete in prior periods.

- RL-0012 due to further delays to Annex Construction due to design changes and a slow start on construction activities by the contractor, and delays in completing ECRTS final design due to the large number of RCR comments that required resolution;
- RL-0041 due to planned waste site work that was completed in a prior period.

Favorable cost performance primarily reflects:

- MSA support (crane & rigging, facility services, and motor carrier services) for RL-0012 having been less than expected to date. STP Testing is completing work with fewer resources (materials and support from FFS). Planned efficiencies are being realized in 100K Operations in support of overall Company goals.
- Implementation of efficiencies in other projects and completion of B Plant filter replacement with filters procured in FY2012.

FUNDING ANALYSIS

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

PBS	Project	FY 2013		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	132.6	131.4	1.3
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	69.5	68.5	0.9
RL-0013	Waste and Fuels Management Project	77.6	78.7	(1.1)
RL-0030	Soil, Groundwater and Vadose Zone Remediation	98.7	98.8	(0.2)
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.4	11.0	0.4
RL-0041	Nuclear Facility D&D, River Corridor	12.6	11.2	1.4
RL-0042	Fast Flux Test Facility Closure	2.5	1.8	0.6
Total Base:		404.8	401.4	3.4

Funds/Variance Analysis:

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

BASELINE CHANGE REQUESTS

In November 2012, CHPRC approved and implemented five (5) 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 November 2012		
BCRA-011-13-001R0	<i>RL-011 Administrative Correction</i>	This Administrative BCR corrects an inadvertent historical coding error.
BCRA-PRC-13-002R0	<i>BCR Log Reconciliation</i>	This Administrative BCR This BCR documents the BCR Log to Cobra reconciliation, consisting of rounding corrections and or any log errors.
BCR-011-13-002R0	<i>FY2013 PMB Error Correction</i>	This BCR corrects an inadvertent omission error made in FY2013 Baseline Update submitted on September 23 and aligns BASE and ARRA BCWS to the correct funding source.
BCR-030-13-002R0	<i>Implementation of GW Priorities per DOE-RL Letters of Direction # 1204486 & 1204535</i>	This BCR addresses and incorporates changes to the PMB-BL as follows: <ul style="list-style-type: none"> • Continuation of 200 B Area perched water pumping • Decommissioning of well E33-18 • Focus existing resources on remaining River Corridor Decision Document Activities associated with the draft change to the M-015-00D milestone • Work Deferrals Prepare 200-UP-1 Draft A RD/RA WP
BCRA-PRC-13-001R0	<i>Add Scope to CLIN 7 and Other CLIN Changes</i>	Corrects an inadvertent omission of scope to CLIN 7

Overall, the contract period Performance Measurement Baseline budget is decreased by (\$636K) in November 2012.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-030-13-002R0	<i>Implementation of GW Priorities per DOE-RL Letters of Direction # 1204486 & 1204535</i>	2013 & 2015	\$636K
Overall MR Change in November 2012 increased \$636K			

Fee Activity

Overall, the contract period Fee budget did not change in November 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 November 2012, would be an net zero impact and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

November 2012 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
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
November 2012 Change									
PMB									
Change to PMB	0	0	0	0	-480	-480	-157	-636	-636
MR									
Change to MR	0	0	0	0	480	480	157	636	636
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	0	0	0	0	0	0	0
November 2012 Estimate									
PMB	653,426	960,017	1,002,105	428,688	403,352	3,447,588	1,916,480	5,364,068	5,364,068
MR	0	0	0	0	4,026	4,026	82,366	86,392	86,392
Fee	39,712	48,772	32,322	17,023	12,001	149,830	86,698	236,528	236,528
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 November 2012

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
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
November 2012 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	480	480	157	636
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	480	480	157	636
November 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	980	980	14,660	15,640
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
Total	0	0	0	0	4,027	4,027	82,366	86,392

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 FY18	
Contracts + POs + Pcard -10/1/2008 -12/1/2012				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,025,127,261
				Bal remaining to award =	\$499,355,934
	\$	%	Goal %	Goal award \$	Bal to goal \$
SB	\$985,527,656	48.66%	49.30%	\$1,244,570,215	\$259,042,559
SDB	\$178,046,146	8.79%	8.20%	\$207,007,622	\$28,961,476
SWOB	\$197,283,912	9.74%	7.50%	\$189,336,240	(\$7,947,673)
HUB	\$45,523,552	2.25%	2.20%	\$55,538,630	\$10,015,078
VOSB	\$115,563,265	5.71%	3.50%	\$88,356,912	(\$27,206,353)
SDVO	\$55,986,838	2.76%	1.30%	\$32,818,282	(\$23,168,557)
NAB	\$29,383,007	1.45%	N/A	* 10-year subcontracting projection	
Large	\$553,230,502	27.32%	N/A		
GOVT	\$1,971,477	0.10%	N/A	<u>PRC clause H.20 small business (SB) requirement:</u>	
GOVT CONT	\$480,883,608	23.75%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$85,656	0.00%	N/A	Total Contract Price:	\$5,678,760,928
NONPROFIT	\$3,189,190	0.16%	N/A	17% requirement:	\$965,389,358
FOREIGN	\$235,796	0.01%	N/A	SB Awarded:	\$985,527,656
Total	\$2,025,127,261	100.00%	N/A	Balance to Requirement:	(\$20,138,298)

Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.02B in goods and services with over 49% going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93% of the total dollars arise from service and staffing Contracts and Contract amendments with five percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
3. This report excludes blanket contract values which are only estimates and not used for payment obligations.
4. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



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

November 2012
CHPRC-2012-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	2 glovebox	178 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	240	17,272 feet
Process Vacuum Piping Dispositioned	114	1,939 feet
Process Transfer Line Dispositioned	66	775 feet
Pencil Tank Units Removed	10	110 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	- m ³	37 m ³
TRU/TRU-M Shipped	39 m ³	1,084 m ³
LLW/MLLW Shipped	7 m ³	3,887 m ³

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was on or above plan for the month, with progress being made on completing prior year behind-schedule work scope. Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. The lower section of Glovebox 23S was placed on low-profile high capacity rollers and is being held in Room 235B pending Solid Waste Operations (SWO) movement and loading into an IP2 waste container. This also allows for the eventual removal of Glovebox HA-20MB, which could not be removed from Room 235D while HA-23S was in place. The total gloveboxes removed to date is now at 77 percent complete. The nine foot long hydraulic ram was removed from the pit under HA-23S and the pit opening covered with a steel plate, completing bulk area cleanout of Room 235D. The KPP completion walk-down and completion verification record has been scheduled.
- Due to a nitric acid spill at duct-level, Room 262 in 234-5Z, and a subsequent leak in a legacy hot tap, work associated with disposition of process lines was impacted. However, the project was able to cut 17 feet, size reduce 114 feet, and load out 148 feet of 26" process vacuum line and disposition 66 feet of process transfer line.
- Size reduction of pencil tank assemblies continued with the completion of Pencil Tank Assemblies 38 (Tank 38) and 40 (Tank 40). The total pencil tank assembly units removed is 110 or 56%. The total number of units shipped is 100 or 51%.
- During the initiation of size reduction of Pencil Tank Assembly 126 (Tank 126), the criticality throughput limit for the maintenance cell was exceeded without the proper actions being taken. Size reduction activities on Tank 126 were suspended and recovery actions were completed. While moving waste in the PRF canyon as part of the recovery actions, the raising and lowering function of the crane hook quit working. The other functions of the crane were not impacted. Troubleshooting of the problem and preparation for canyon entries were initiated.
- The remaining sections of the D-1 and D-6 drain lines on the Miscellaneous Treatment (MT) gloveboxes were removed. Work on the mechanical isolation of the MT gloveboxes was suspended. The field work team has been reassigned to the Acid Draining Team responsible for the draining of various chemical lines in the facility that still 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	40%
			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	0	6	N/A
First Aid Cases	3	64	<ul style="list-style-type: none"> • 11/26/2012 – Employee experienced strain in right buttock. (22952) • 11/28/2012 – Employee experienced strain in lower back strain. (22955) • 11/29/2012 – Employee experienced strain in groin. (22954)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
 - Repairs and testing of EF-3 were completed and EF-3 returned to operational unrestricted use.
- Completed heat detector testing in filter rooms 312, 318, 309 and 310.
- Began maintenance and inspections of building supply fans.
- DOE-RL approved the PFP DSA and TSR 2012 annual updates on November 15, 2012. Included in the approval Safety Evaluation Report (SER) is acceptance of exhaust filter rooms FR-309, FR-313, and FR-314 for “Standby” use for an additional 120 days.
- PFP completed 291-Z exhaust fan maintenance and surveillance actions necessary to satisfy Conditions of Approval (COAs) contained in the RL SER that approved CHPRC-01637, “Justification for Continued Operation – Building 234-5Z Confinement Ventilation System.” CHPRC notified RL of the COA completion via letter CHPRC-1204981 dated November 16, 2012.

11.05 Disposition PFP Facility

Remote Mechanical A and C Lines (RMA/RMC)

- In Room 235A-2, the removal of external components such as air cylinders, hydraulic cylinders, hoppers, sphincter ports, and port panels was completed. The removal of these components is necessary to facilitate removal of the eight gloveboxes in this room.
- In Room 235A-3, the mechanical isolation of Glovebox HA-9A continued and is about 50% complete.
- In Room 235B, the lower half of Glovebox HA-23S was placed on low profile high capacity rollers and is awaiting shipment by SWO. The nine foot long hydraulic ram that was in the pit under HA-23S was removed, drained, and sized reduced. The hydraulic pit opening was covered with a steel plate. This completed the last KPP related work activity in this room.
- In Room 227, the team mobilized and supported planning for the work package to complete the mechanical isolation of HC-227S. The 90 pound air supply piping and valves to HC-227S were removed.
- In Room 228A, the team from 235B mobilized and continued work planning for the first phase of glovebox HC-7 mechanical isolation.
- In Room 228B, conveyor sections HC-1C and HC-1D were removed. Gloves were activated on HC-15A, -15B, and -15C and the glovebox exhaust filters were removed.
- In Room 228C, the removal of vacuum lines that cross the room to Glovebox HC-18M was completed and the removal of the nitrogen supply line and filter box is 75% complete.

Backside Rooms (Rooms 158-172) D&D

- Room 166 D&D
 - Room 166 Glovebox Mechanical Isolation:
 - Completed turnover of Room 166 D&D scope to new crew
 - Awarded subcontract for saw cut of Room 166 West vault doorway
- Room 159 Hood Removal
 - Removed the 30 pound air piping from the hood set
 - Drained and removed the distilled water piping from the hood set

- Removed the D6 drain trap from the hood sink, and amalgamated residual mercury found in the drain
- Isolated, drained, and removed the fire suppression piping from the hood set
- Removed, downsized, and disposed of the remnant exhaust piping from the hood set
- Installed glovebag for removal of the 26-inch vacuum piping from the hood set

Disposition PFP (234-5Z) Facility

- Cut down 17 feet of process vacuum piping for a total of 1,956 feet cut. Of this, 1,939 feet has been size reduced and dispositioned
- A total of 775 feet of transfer lines has been removed, size reduced, and dispositioned
- Removed 240 feet of asbestos for a total of 17,272 feet removed to date.

Plutonium Reclamation Facility (PRF)

- Size reduction of Pencil Tanks 38 and 40 was completed.
- Size reduction of Pencil Tank 126 was initiated.
- Removal of the D-1 and D-6 drain lines from the MT gloveboxes was completed.

242-Z Americium Recovery Facility

- A draft work request has been started to address entry and exit protocol.
- D&D Manager has been identified.
- Project efficiencies are being investigated.
- Walk-downs commenced on containment design.

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.

Issue –On November 7, it was identified that the throughput inventory for the maintenance cell exceeded the 8,000-gram plutonium action level without the Criticality Safety Representative (CSR) notification and formal “zeroing” of the throughput values as required by the work package. “Zeroing” involves a cleaning of the maintenance cell and re-establishing the low baseline. The area was posted for a potential criticality nonconformance, the work package was suspended and a Potential Criticality Nonconformance Response Checklist was used to document the issue as a deviation.

Corrective Action –A critique was held. The work package was revised to address issues from the critique. A formal recovery plan was generated. Cleanup of the maintenance cell was completed. Engineering issued a letter to establish the baseline starting value for the throughput inventory in the maintenance cell. The inventory throughput sheet was updated with the new value and posted on the maintenance cell which completed the recovery actions from the criticality deviation. The recovery plan was closed out.

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

Corrective Action –Troubleshooting and preparation for canyon entries were initiated.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
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.			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.			During waste packaging the lowering and raising function stopped working on the PRF Canyon. Causes for the failure are under investigation and will require canyon entries. All Pencil tank size reduction activities are suspended until repairs are complete.
PFP-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. Add addition controls to monitor and protect exhaust fans from failure.			Repairs of the EF-3 are 100% complete. Teams continued in the month of November to work on scope to further mitigate potential impacts in the future. JCO was also submitted to DOE, and discussions are still pending.
PFP-008: Unexpected High Concentration TRU Material Holdup Discovered	Utilize supplemental NDA and other characterization techniques to identify areas of concern early in the project. Discuss potential response actions and administrative controls with Safeguards and Security, and proceduralize them as needed to guide the project in responding in the event unexpected material is identified. Actions were set in place to dismantle the hammer mill, and scrub the floor within the HC-17 series.			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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-014: Unexpected Chemicals/Chemical Residuals or Hazardous Materials Are Discovered at PFP	<p>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.</p> <p>Revise work packages for additional controls and implement additional equipment deployment such as absorbent pads to neutralize acid and double floor containment glovebags.</p> <p>Develop a chemical mitigation response team to: perform Ultra Sonic testing to identify all chemical lines with suspect or known quantities of Chemicals, and empty all remaining chemical lines throughout the plant including lines located in PRF.</p>			PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Impacts from the high constricted acid discovered in 234-5Z caused the deployment of a chemical response team to identify and drain process lines where appropriate. The reassignment of this team suspended field work for MT mechanical isolation activities until chemicals liquid is characterized, and or drained. In addition management stopped work for chemical lines in the duct level, and all work packages associated with breaching of chemical lines throughout the plant until a path forward is identified.
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.			No issues for two months. Reporting will discontinue next month if no impacts are encountered.
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.			Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
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 downtime.			Continue to implement Breakthrough Initiative #1, Tool Time actions.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.4	10.8	10.7	1.4	15.4	0.0	0.4

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (+\$1.4M/+15.4%)

The schedule variance is primarily the result of progress earned on work scheduled to be complete in prior periods.

CM Cost Variance: (+\$0.0M/+0.4%)

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	551.1	543.7	556.7	(7.4)	-1.3	(12.9)	-2.4	940.3	982.7	-42.4

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$7.4M/-1.3%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$12.9M/-2.4%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$42.4M/-4.5%)

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 October to November are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	132.6	131.4	1.2

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path analysis can be provided upon request.

Baseline Change Requests

BCRA-011-13-001R0 – *RL-0011 Administrative Correction*

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

BCR-011-13-002R0 – *FY2013 PMB Error Correction*

MILESTONE STATUS

None identified at this time.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



L.T. Blackford
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November 2012
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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 comments resulting from the Formal Design Review of the Final Design Report conducted in August 2012. The incorporation of these comments will be completed simultaneously to alignment of the final design with the Preliminary Documented Safety Analysis (PDSA) document. Additional activities in progress include the following:

- Update of the Failure-Modes-Effects Analysis (FMEA) which ties into the PDSA content.
- Evaluation of the hazards and update of the design documentation for the procurement of the hose-in-hose transfer lines that will be installed in the Annex hose chase. This documentation is in the final signature process and is scheduled to be issued in December.
- Update of supporting documentation such as the Project Execution Plan and Contractor Integrated Project Team Charter.

Annex construction activities included the following: Initiation of concrete placement; completion of excavation for the Fire Water Lift Station; an EU outage of the 13.8KV feed for the 105KW HVAC was conducted to allow conduit installations to the Annex transformer vault (wire installations and tie-in will follow at a later date); formwork installation for the Hose-In-Hose Chase foundations between the Basin facility and the Annex; and controlled density fill (CDF) and backfill placement over newly installed conduit from the Annex transformer vault.

Preparation for the Integrated Performance Optimization Demonstration (IPOD) continued at MASF including updates to wiring and control logic, testing, pre-checks, and modifications to components. This resulted in the identification of potential design improvements, which have been communicated to Engineering. The IPOD is currently scheduled to commence early in calendar year 2013.

The Office of Civilian Radioactive Waste Management (OCRWM) requires a post-use calibration and certification on all loops and instrumentation, including measurement and test equipment (M&TE). K-Basin loop calibrations and certifications are complete. Final calibrations on CVDF tooling have also been completed. CVDF continues to work on loop calibrations.

The project also must process a significant amount of documentation (26 OCRWM data packages) related to the actual processing activities at K-Basin, CVDF, and CSB. The current forecast is to complete these data packages by fiscal month February 2013.

STP is in the process of re-purposing the CVDF from an operating nuclear facility to a maintenance support mission. Due to the MCO processing mission, the facility has a Hazard Category 2 rating and it is necessary to characterize the facility as a less than Hazard Category 3 rating before the facility can be transitioned to a maintenance support mission. The characterization of the facility as a less than Hazard Category 3 facility was completed in November and the request to discontinue the Safety Basis was submitted to DOE for approval.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	20	11/01/12 - Employee experienced strain to groin while lifting. Body part affected: groin (22942)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Characterization of the CVD Facility as a less than Hazard Category 3 facility was completed and the request to discontinue the Safety Basis was submitted to RL for approval.
- Initiated concrete placement for the Modified Annex.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
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.	●	↔	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.	●	↓	Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.
STP-ANX-001: Annex Subcontract Change Orders/Claims	Prepare accurate Functional Requirements and SOW. Monitor Subcontractor activities and identify problem areas. Develop an efficient approach for handling contractor submittals and RCI's	●	↓	Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.

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 simulant recipes during MASF testing.	●	↔	No issues at this time. MASF Testing progressing as planned

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.1	5.7	5.0	(0.5)	-7.9	0.7	12.1

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.5M/-7.9%)

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 layout and the Project continues to evaluate whether material meets criteria for characterization as LLW.

CM Cost Performance (+\$0.7M/+12.1%)

The current month positive variance is due to MSA support (crane & rigging, facility services, and motor carrier services) for 100K Operations has been less than expected to date. STP Testing is completing work with fewer resources (materials and support from FFS). In addition, planned efficiencies are being realized in 100K Operations in support of overall Company goals.

Contract-to-Date (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	342.6	337.8	337.3	(4.8)	-1.4	0.5	0.1	605.9	603.2	2.7

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$4.8M/-1.4%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$0.5M/+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)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
	69.5	68.5	0.9

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-002R0 – BCR Log Reconciliation

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.
M-016-174	Complete final design of Sludge Retrieval and Transfer System	TPA	9/30/13		9/30/13	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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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. Liquid Effluent Facilities (LEF) received 83 tankers (calendar year [CY] 341k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 40k gallons of ERDF leachate (CY2.04M). Canister Storage Building (CSB) completed six-month ISA special nuclear material inventory. T Plant completed deactivation of two dry chemical systems for HS-030 and HS-032. The project supported tours of WRAP, CWC and Mixed Waste Trench (MWT) 34 for DOE and Ecology.

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	1	26	11/7/12 Employee was using a chisel when it slipped and penetrated glove causing a cut to the hand. Body part affected : Hand (22946)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects.

13.02 Capsule Storage & Disposition

- Completed emergency (interim) repairs to the failed sanitary water line. Additional repairs will be scheduled with system modification once weather conditions allow for an extended outage.
- Issued letter to Contractor (Randolph Sheetmetal) to honor warranty on WESF roof with three-week response on schedule and method
- Completed preparations (modified procedure, removed equipment from catwalk) for inner capsules movement testing
- Initiated overhaul of compressor #2 – removed coolers for cleaning
- Initiated shop work (instrument panel fabrication) on replacement radiation indicator transmitters for K-3 Filter Pit and Tank 100

13.03 Canister Storage Building (CSB)

- Completed sample/weld station duct fire damper (FD-5) replacement
- Completed repairs to north vestibule rolling gate hydraulic pump accumulators
- Continued Knock-Out Pot (KOP) Multi-Canister Overpack (MCO) monitoring program
- Completed four-month gas sample for first KOP MCO
- Completed six-month Interim Storage Area (ISA) special nuclear material inventory

13.07 WRAP

- Layup Plan
 - Continued 2404-WB drum hauler work package resolution
- Completed Hanford Fire Department (HFD) inspections for 2336W, 2404WB/WC, MO-610 & 2620W
- Completed weekly cold weather inspections

- Completed one-year exhaust fan interlock test at 2336W
- Supported the Solid Waste Operating Complex (SWOC) Emergency Preparedness (EP) drill and attended the TALON® demonstration at Central Waste Complex (CWC)
- Supported RL and Ecology tour of WRAP
- Completed nine Technical Safety Requirement (TSR) surveillances
- Completed 13 Preventive Maintenance (PM) packages
- Completed 80 Radiological (Rad) Surveillances
- Completed 27 Operational Surveillances

13.08 T-Plant

- Continued the reduction of sanitary water lines in 271T
- Completed the installation of electrical barriers for the 296T-1 Stack Monitoring Cabinet (KURZ)
- Completed the deactivation of two dry chemical systems for HS-030 and HS-032
- Repaired the 271T count room air handler and the 271T third floor heat pump
- Supported the SWOC EP drill at CWC and attended the TALON® demonstration at CWC
- Completed packaging waste items in 2706-T
- Completed the TSR one year variable frequency drive surveillance for 291-T Stack Fan #4
- Transferred approximately 1,000 gallons of 221T water effluent to 225WA sump
- Completed four TSR Surveillances, 18 PM packages, 254 Rad Surveillances, and 192 Operational Surveillances

13.09 Central Waste Complex (CWC)

- Operations
 - Completed PM for tank level indicators and transmitter at Trenches 31 & 34
 - Completed 2400W series intake filter replacement
 - Successfully conducted a full-up EP drill at CWC
 - Attended the TALON® demonstration at 2401W in CWC
 - Completed weekly cold weather inspections
 - Supported DOE and Ecology tour of CWC and Mixed Waste Trench (MWT) 34
 - Completed five TSR Surveillances
 - Completed 15 PM packages
 - Completed 208 Rad Surveillances
 - Completed 63 Operational Surveillances
- Shipments
 - Received scheduled waste container shipments of 27 drums and seven SWBs from Plutonium Finishing Plant (PFP)
 - Received scheduled waste container shipments of four SWBs from PermaFix Northwest (PFNW) into MWT 31

13.11 Liquid Effluent Facilities (LEF)

- Received (calendar year [CY]) 83 tankers; 341k gallons
- Treated effluent to State-Approved Land Disposal Site: No change (CY 9.46M)
- Discharged 1.8M gallons (CY 17.65M) at 200A Treated Effluent Disposal Facility (TEDF)

- Received Environmental Restoration Disposal Facility (ERDF) leachate (40k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (2.04M CY) and Basin 44 (0.58M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 98k gallons
- Completed evaluation of 48 of 53 Nuclear Safety and Performance Evaluation Board (NSPEB) individual issues in the Comment Reporting and Resolution System. Team established and initiated causal analysis for overall concern.
- Continued receiving Mixed Waste Trench Leachate tankers
- Continued receiving purged water tankers from BP-5
- Maintenance Activities:
 - Completed equipment setup and initiated cleaning of SUMP 1 (20B-TK-1)
 - Completed permit-required visual inspection of surge tank (60A-TK-1)
 - Relocated heat trace sensor on verification tank (60H-TK-1B)
 - Completed electrical repairs to exhaust fan 45B-F-1B
 - Completed change out and aerosol testing of high-efficiency particulate (HEPA) filters for exhaust fans 45B-F-1A and 45B-F-1B
 - Completed five-year preventive maintenance (PM) on main switch gear (MSWGR) -1 and -2
 - Continued shop fabrication to replace Basin 44 recirculation line
- Evaporator Heat Exchanger Repairs:
 - Completed cleaning of the inner heat exchanger surfaces and removed the glove bag
 - Performed Dye Penetrant (DP) and Ultrasonic Testing (UT) of the heat exchanger. Two indicators require repair on the vessel shell
 - Removal of a portion of the baffle plate (approximately the first nine inches) will be required to verify shell repairs
 - Removal of the baffle plate was identified as required work by the Fluor team in order to ensure compliance with the code and verify successful repairs
 - Removal will result in extending the duration of the repair work
 - Completed construction of bull pen for cutting, grinding and welding
 - Installation of transition ducting and HEPA exhauster for directed airflow
 - Completed planning to cut front edge of baffle plate from interior of heat exchanger in preparation of weld repairs
 - Planning for final repairs 90 percent completed
 - Established special shift (swings) for a three week period (12/3 through 12/21) to perform repairs to heat exchanger
- Basin 44:
 - Continued with surveys/posting verification activities
 - Initiated preparations by spreading gravel for movement of crane and sloping skid and tote areas for managing secondary containment during cleanup activities
 - Received revised As Low As Reasonably Achievable Control Technology (ALARACT) from the Washington Department of Health (WDOH) for the work scope description (use of crane and vegetation removal equipment) and increased wind limitations (20 mph)
 - Approved the work package for LERF Basin 44 water removal and cleaning for inspection through the Hazard Review Board

- Basin 42:
 - Completed mockup activities (vegetation removal, water removal and dirt/soil removal) in support of the work package planning for Hazard Review Board
 - Continued to remove water from Basin 42 cover

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 20 Radiological and four Operational surveillances
- Completed one TSR Surveillance

MAJOR ISSUES

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

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

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

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

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

Status – Completed decontamination, work package planning, and work site preparations (bullpen, splash shields and saddles fabrication). Special shift (swings) established for dedicated resources on repairs and lessen impact on lower priority work. Repairs were initiated (grinding, welding and nondestructive examination). 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			CHPRC waste generation process and practices provided funding to WCH to perform in-trench macro encapsulation. EPA may request WCH halt in-cell macro encapsulation waste treatment activities. CHPRC is working with WCH to evaluate the planned waste expected to be macro encapsulated at ERDF within the next 12 months.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY13.
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> • Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area. • Thin-Film Dryer rotor replacement scheduled during next ETF outage and replacement of heat exchanger. • Continuing to experience greater than planned maintenance at ETF and LERF.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011 is nearing completion. Washington Department of Ecology performed inspection of CWC on September 17. In discussions regarding preliminary feedback.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 117%. Cost Performance for fiscal month less than planned. FYTD Cost Performance Index 115%. Emerging issues/realized risks offsetting planned efficiencies.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	7.8	7.8	6.8	(0.0)	-0.6%	0.9	12.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.0M/-0.6%)

The unfavorable current period schedule variance is within threshold.

CM Cost Performance (+\$0.9M/+12.2%)

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

Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	715.4	715.0	705.7	(0.4)	-0.1%	9.3	1.3%	1,344.1	1,326.4	17.7

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.4M/-0.1%)

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$9.3M/+1.3%)

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 October to November are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013 Total	77.6	78.7	-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

BCRA-PRC-13-001R0 – *Add Scope to CLIN 7*

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

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)



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

November 2012
CHPRC-2012-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

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

PROJECT SUMMARY

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

- 23.1M gallons groundwater treated by KX treatment facility
- 11.6M gallons groundwater treated by KW treatment facility
- 13.1M gallons groundwater treated by KR-4 treatment facility
- 27.4M gallons groundwater treated by HX treatment facility
- 22.6M gallons groundwater treated by DX treatment facility
- 45.6M gallon groundwater treated by 200W treatment facility
- 143.4M gallons of groundwater treated total

Sampling	November	FY2013 Cumulative
Number of Well Sampling Events	170	369
Number of Aquifer Sampling Events	132	242
Total Number of Sampling Events	302	611
Total Number of Samples Collected	1040	1781
Total Number of Analyses Performed	2429	3828

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 12 th 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	

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	On Schedule
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	269.3M Gallons treated through 11/30/12
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	2	26	<p>11/5/2012 – Employee bumped forehead on a pipe support in the Fire Riser room after the automatic lights had turned off. (22944) S&GRP</p> <p>11/27/2012 – Employee developed elbow pain from pitchforking tumbleweeds. (22956) S&GRP</p>
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations

Groundwater Sampling Support: Sample Data Tracking Redesign (SDTR) Sample Authorization Request (SAR) Module

- Version 1.15 of SAR, which adds the ability for users to set up default bottle grouping, has been approved and is ready for implementation. This resolves an issue that too many bottles are being required for analysis.

River Corridor

100-BC-5 Operable Unit

- Conducted Data Quality Objective (DQO) workshop with RL (October 31, 2012) and with EPA (November 1, 2012) supporting update of existing Work Plan and SAP.

100-HR-3 Operable Unit

- Received RL, Ecology, and EPA concurrence on November 14, 2012, on the *Sampling and Analysis Plan for Installation of 100-HR-3 Groundwater Operable Unit Replacement Wells*, DOE/RL-2012-45, Rev. 0. The total SAP project duration, from initiation to final concurrence, was approximately two months; the accelerated approval of the SAP is primarily due to the team effort working hand-in-hand with RL and Ecology during document preparation and review.
- Issued TPA-CN-556 reducing the sampling frequencies for the 100-HR-3 aquifer tubes downstream from the ISRM barrier. This was approved by DOE and Ecology on November 30, 2012. The cost savings will be realized in following years (initially during the FY14 sampling event).
- Completed comment resolution on the 100-D/H RI/FS and Proposed Plan.

300-FF-5 Operable Unit

- Delivered the draft Rev. 0 RI/FS Report and Proposed Plan to RL and EPA on November 8, 2012 for final checking.

Central Plateau

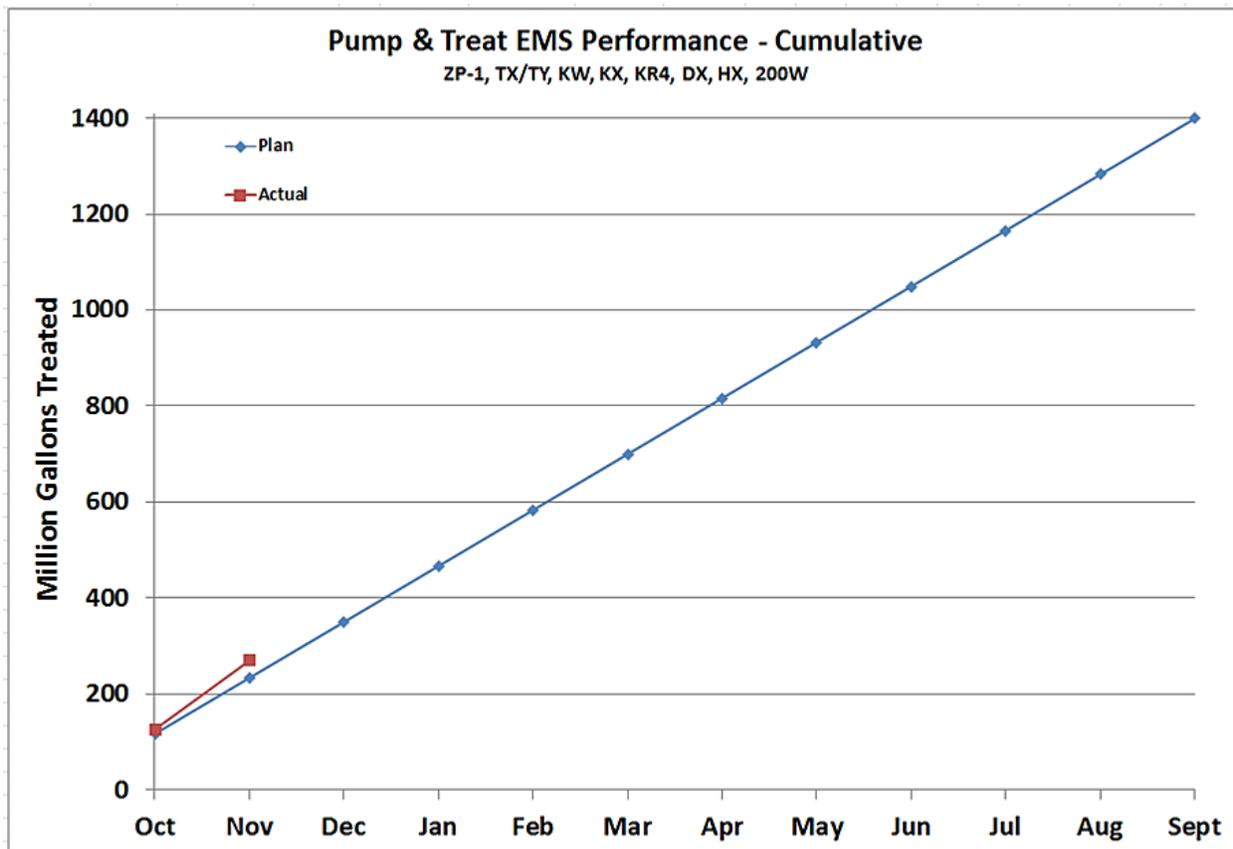
200 West Pump-and-Treat

- The 200 West P&T was up and running for 24 days with pumping rates ranging from 900 gpm to 1,930 gpm. The longest continuous run time was approximately 100 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 consistently at 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.

200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,430 gallons during the month of November, bringing the total volume of perched water removed to 78,235 gallons 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 100K RI/FS documents are on hold while discussions proceed determining path forward associated with:

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

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 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)			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			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.			Installation of 4 extraction and 2 injection wells in FY 2013 plus the connection of 5 interim system injection wells performed in FY 2012 is anticipated to provide sufficient flow rates. 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.			At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling in the vicinity of KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operating and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilize aggressive Corrective Maintenance program to ensure that staff is trained on new equipment. Perform design modifications/procedure revisions to accommodate unexpected conditions. Continue to work corrective maintenance issues as identified during acceptance testing.			Continuing to resolve outstanding issues identified associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. Negotiations taking longer than planned between subcontractors.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.	●	↑	Cost Performance for November was 1.12. Overall cost performance increased to 1.05, however remains below the CPI Target of 1.08 for Fiscal Year.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	0.3	0.0	0.0	(0.3)	-753.7
RL-0030.O1 RL 30 (Operations)	8.0	7.9	6.8	(0.1)	-1.1	1.1	14.3
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	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>0.0</u>	0.0
Total	8.0	8.0	7.1	(0.0)	-0.6	0.8	10.5

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$0.0M/-0.6%)

There are no current month schedule variances that exceed the reporting thresholds.

CM Cost Performance (+\$0.8M/10.5%)

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

RL-0030.C1 GW Remedy Implement (-\$0.3M/-753.7%)

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

The current month negative cost variance is due to 200 West Pump & Treat closeout activities have been much more labor dependent than originally budgeted. Also, support of OTP activities is taking longer than planned.

RL-0030.O1 RL 30 Operations (+\$1.1M/14.3%)

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

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

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

The current month negative cost variance is due to issues that are being encountered during the start up and early operation of the 200 West P&T Facility which is requiring more corrective maintenance and testing. As a result, labor and overtime expended is greater than planned. The overruns are expected to continue until operational issues have been resolved. The project will continue to monitor costs and mitigate overruns wherever feasible.

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	85.5	(0.0)	-0.1	(12.1)	-16.6	73.4	87.4	(14.1)
RL-0030.O1 RL 30 (Operations)	479.4	481.0	475.2	1.6	0.3	5.8	1.2	1,150.5	1,139.0	11.5
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	<u>51.4</u>	<u>51.4</u>	<u>51.1</u>	<u>(0.0)</u>	-0.0	<u>0.3</u>	0.5	<u>51.4</u>	<u>51.1</u>	<u>0.3</u>
Total	820.0	821.5	824.8	1.5	0.2	(3.3)	-0.4	1,491.0	1,490.5	0.5

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (+\$1.5M/+0.2%) – Overall Schedule performance is within reporting thresholds. As previously reported, the primary contributor to the schedule variance that exceeds the reporting thresholds is:

RL-0030.O1 RL 30 Operations (+\$1.6M/+0.3%)

100 NR-2 Operable Unit (+\$2.3M) due to early completion of FY2013 barrier expansion work scope. As this fiscal year progresses the schedule variance will decrease.

CTD Cost Performance (-\$3.3M/-0.4%) – Overall Cost performance is within reporting thresholds. As previously reported, the primary contributors to the cost variances that exceed the reporting thresholds are discussed below:

RL-0030.C1 GW Remedy Implement (-\$12.1M/-16.6%)

200-ZP-1 Operable Unit (-\$12.1M) is primarily due to 200 West Pump & Treat cost for the construction contractor's completed work scope as defined in change notifications as well as increased cost for the sludge stabilization system installation.

RL-0030.O1 RL 30 Operations (+\$5.8M/1.2%)

Integration and Assessments (+\$5.5M) is primarily the result of less subcontractor support required for Central Plateau strategy development in prior years due to deferral of decision document activities as a result of funding reprioritization. This work has been rescheduled.

Drilling (-\$2.4M) is primarily the result of radiological contamination encountered in prior year drilling activity on NR-2 wells.

100-NR-2 Operable Unit (+\$2.7M) is primarily the result of savings achieved in prior years in completing barrier expansion sampling, chemical treatment, maintenance, jet grouting pilot test, and RI/FS work scope for less than planned.

200-ZP-1 Operable Unit (+\$1.4M) is primarily due to efficiencies obtained in the operation and maintenance of the 200-ZP-1 interim pump and treat system.

200-PW-1 Operable Unit (+\$1.6M) is primarily the result of efficiencies realized in general operations and Soil Vapor Extraction testing.

RL-30 CHPRC Allocations (+\$0.8M) - Work force restructuring cost was less than originally planned in FY2012.

Ramp-up and Transition (-\$2.8M) is primarily the result of increased prior year Project Services Distribution.

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

Drilling (+\$2.4M) is primarily the result of savings achieved in 100-NR-2 and 200-BP-5 well drilling activities in a prior year.

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

Regulatory Decisions and Closure Integration (+\$1.7M) is primarily the result of efficiencies obtained in a prior year for multi-incremental sampling, borehole drilling, and landfill characterization work scope.

Estimate at Completion (EAC)

The projected variance at completion of 0.0% is not significant.

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
	98.7	98.8	(0.2)

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-13-002R0 – FY2013 – *Implementation of GW Priorities per DOE-RL Letters of Direction #s 1204486 & 1204535*

FY2013 Management Reserve (Funded): \$0.5M

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in October 2012, BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-036	PMM Submittal Jul-Sep 4th Qtr. FY2012 Burial Ground Sample Results	TPA	12/15/12	11/5/12		Complete. Email from RL on 11/5/12 documents completion.
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	Both documents are complete. Document is in process of transmittal.
M-015-68-T01	Submit RI/FS Report & PP for 100-BC-1/2/5 OUs	TPA	3/15/12 (Original Due Date: 11/30/11)		12/15/16	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	Both documents are in final editing and are on schedule for delivery.
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 – Incorporating RL's comments (received 11/15/12) on the Pre-Decisional Draft RI/FS.
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-037-03	Submit Revised Closure Plans for 216-B-3 and 216-S-10	TPA	4/30/13		4/30/13	Ecology to prepare closure plans.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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		8/1/13	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY13 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	On Schedule
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr FY13 Burial Ground Sample Results	TPA	12/15/13		12/15/13	On Schedule
M-024-64	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/13		12/31/13	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



L.T. Blackford
Vice President and
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Fuels, and Remediation
Services (DWF&RS)

November 2012
CHPRC-2012-11, 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. Completed the B Plant filter change.

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 change out of the B Plant exhaust system pre-filters
- Conducted tour of Plutonium Uranium Extraction (Plant) PUREX Piping and Operations Gallery for DNFSB, RL, and CHPRC senior management
- Conducted a successful Incident Command Post (ICP) Emergency Preparedness Drill at 224B
- Performed ALARACT 28.1 surveys of B Plant while exhaust system was down for filter change out
- Completed inspection and photographing of 350 Underground Injection Control (UIC) wells in 200 East and West
- Conducted PUREX annual surveillance post-job review
- Conducted 70 radiological facility surveillances
- Completed Radiation Area Remedial Action (RARA) radiological surveillances of 27 Waste Information Data Services (WIDS) sites
- Completed 126 WIDS site operational surveillances
- Mowed over 115 acres, seeded approximately 200 acres, and performed required maintenance of WIDS sites
- Completed 13 preventive maintenance (PM) activities

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 Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 112%. <i>Cost Performance increased in the month of November to greater than 112% for first fiscal year.</i>

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.1	1.3	0.8	0.1	13.2	0.5	35.5

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.1M/+13.2%)

Variance is within threshold.

CM Cost Performance: (+\$0.5M/+35.5%)

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	366.3	366.2	339.7	(0.1)	-0.0	26.5	7.2	488.7	460.8	28.0

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance: (-\$0.1M/-0.0%)

Variance is within threshold.

CTD Cost Performance: (+\$26.5M/+7.2%)

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 October to November are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

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

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

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



L.T. Blackford
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November 2012
CHPRC-2012-11, 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 (88% complete overall), above ground openings (88% complete overall), and cleanout of combustible and hazardous materials inside the reactor building (91% complete overall). Completed interim re-vegetation of TPA M-016-53 (100K Phase 1) waste sites.

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	1	N/A
First Aid Cases	0	28	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Facilities

- Continued removal of combustible and hazardous material inventory from the 105-KE reactor building interior including cleanout of the RCT Office and removal and packaging of the core samples. Cleanout of the reactor building interior is 91% complete overall.
- Completed construction of Pourback #23. Completed application of radiological contamination fixative to the Discharge Chute. Below-grade concrete pourbacks are 88% complete overall.
- Completed installation of covers for above-ground opening #14 (RCT Office). Foamed holes in the reactor building roof and NE corner siding panel seams (above-ground opening #16). Above-ground openings are 88% complete overall.
- Captured and released an owl from the reactor building interior (working to ensure the absence of wildlife prior to closing all openings)
- Continued with disposition/disposal of legacy waste items for the 100K Area.

Waste Sites

- Continued with Closure documentation for TPA Milestone.
- Completed interim re-vegetation of 100K Waste Sites in support of 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.			Continuing to discuss cleanup and material removal requirements. <i>Additional clean out priorities. ISS may be required.</i>
KBC-043: Waste Site Remediation Completion Requirements	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			It has been demonstrated that with ISS of 105KE, two significant plumes will not be fully remediated under the RTD. The project is researching a long-term (i.e. 75 year) low cost stabilization that will retard water movement through the contaminated zone (i.e. contract modification to install asphalt barrier to cover 116-KE-1, 116-KE-3 and the UPR-100-K-1). Remediation and long-term stabilization must be determined and completed prior to initiating construction of the KE-Reactor structure.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 102%. <i>Cost Performance above 102% for first fiscal year.</i>
KBC-004: Contamination Depth Greater Than Planned	Cannot control extent of contamination; Mitigate risk utilizing total tons within the PMB volume for 100-K waste sites Remediation.			The 100K waste sites that have been remediated to date realized more tons of waste than planned. CHPRC will continue to use planned BCWS up to the planned PMB total tons estimated.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.5	1.2	1.1	-0.3	-22.5	0.1	5.1

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.3M/-22.5%)

Waste Sites (-\$0.4M) The variance is within reporting threshold.

100K Area Project (Facilities and Others) (+\$0.1M) The variance is within reporting threshold.

CM Cost Performance (+\$0.1M/+5.1%)

Waste Sites (+\$0.2M) 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	293.3	295.4	276.1	2.1	0.7	19.3	6.5	467.5	453.2	14.3

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (+\$2.1M/+0.7%)

Waste Sites (+\$2.5M) The positive schedule variance is due to CSNA sites that were completed early.

100K Area Project (Facilities and Others) (-\$0.4M) The variance is within reporting threshold.

CTD Cost Performance (+\$19.3M/+6.5%)

Waste Sites (+\$21.9M) The positive CTD cost variance is primarily the result of prior year activity which has been previously reported.

100K Area Project (Facilities and Others) (-\$2.6M) 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)

FY2012			
WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Projected Funding	Spending Forecast	Spend Variance
	12.6	11.2	1.4

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-001R0 – *Add Scope to CLIN 7*

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

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)



L.T. Blackford
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Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

November 2012
CHPRC-2012-11, 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 inspection and photographing of 42 Underground Injection Control (UIC) wells in the 400 Area
- Completed five PM packages/Operational Surveillances
- Completed five Radiological Surveillances
- Continued work in support of a business case for improved efficiency and operation of the 400 area potable water system

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 (%)
Total	0.2	0.2	0.1	0.0	0.0%	0.1	56.6%

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: (+\$0.1M/+56.6%)

The current period cost variance is within threshold.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	14.2	14.2	12.4	0.0	0.0%	1.8	12.5	26.5	24.5	2.1

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$1.8M/+12.5%)

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

Estimate at Completion (EAC)

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

The change in EAC from October to November is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
	2.5	1.8	0.6

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

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

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



November 2012
CHPRC-2012-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE													CLASSIFICATION (When Filled In)			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)																									
b. LOCATION (Address and ZIP Code) Richland, WA										b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD)																									
										c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009																									
5. CONTRACT DATA										7. AUTHORIZED CONTRACTOR REPRESENTATIVE																															
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		5,664,140		5,858,820		5,664,140		2012 / 10 / 22																									
6. ESTIMATED COST AT COMPLETION										a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager																												
										c. SIGNATURE			d. DATE SIGNED 11/25/2012																												
8. PERFORMANCE DATA																																									
WBS[1]										CURRENT PERIOD				CUMULATIVE TO DATE				REPROGRAMMING ADJUSTMENTS			AT COMPLETION																				
										BUDGETED COST		ACTUAL COST		VARIANCE		BUDGETED COST		ACTUAL COST		VARIANCE																					
										WORK SCHEDULED		WORK PERFORMED		SCHEDULE		WORK SCHEDULED		WORK PERFORMED		SCHEDULE		COST VARIANCE		SCHEDULE VARIANCE		BUDGET		BUDGETED													
										(2)		(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		(12a)		(12b)		(13)		(14)					
										(15)		(16)		(17)		(18)		(19)		(20)		(21)		(22)		(23)		(24)		(25)		(26)		(27)							
011 RL-11 NM Stabilization and Disposition PFP										9,352		10,795		10,749		1,444		46		551,134		543,748		556,691		(7,387)		(12,943)		0		0		0		940,255		982,663		(42,409)	
012 RL-12 SNF Stabilization and Disposition										6,142		5,654		4,971		(487)		683		342,576		337,755		337,279		(4,822)		476		0		0		0		605,948		603,201		2,747	
013 RL-13 Solid Waste Stabilization & Disposition										7,814		7,765		6,818		(49)		947		715,420		715,040		705,714		(381)		9,326		0		0		0		1,344,099		1,326,441		17,658	
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone										8,012		7,965		7,127		(47)		838		819,963		821,508		824,795		1,545		(3,288)		0		0		0		1,491,003		1,490,509		494	
040 RL-40 Nuclear Facility D&D Remainder of Hanford										1,131		1,280		826		149		455		366,264		366,199		339,662		(65)		26,537		0		0		0		488,747		460,776		27,971	
041 RL-41 Nuclear Facility D&D - River Corridor										1,494		1,159		1,099		(336)		59		293,281		295,423		276,143		2,141		19,280		0		0		0		467,474		453,172		14,302	
042 RL-42 FTF Closure										182		182		79		0		103		14,152		14,152		12,385		0		1,766		0		0		0		26,542		24,457		2,085	
b. Cost of Money										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			
d. Undist. Budget										0		0		0		0		0		0		0		0		0		0		0		0		0		0		0			
e. Sub Total										34,128		34,801		31,670		673		3,131		3,102,790		3,093,822		3,052,669		(8,968)		41,153		0		0		0		5,364,068		5,341,220		22,848	
f. Management Reserve										0		0		0		0		0		0		0		0		0		0		0		0		0		0		0		0	
g. Total										34,128		34,801		31,670		673		3,131		3,102,790		3,093,822		3,052,669		(8,968)		41,153		0		0		0		5,450,460					
9. Reconciliation to CBB																																									
a. Variance Adjustment																																									
b. Total Contract Variance																																									

FORMAT 3, DD FORM 2734/3, BASELINE

November 2012 Monthly Report

CONTRACT PERFORMANCE REPORT													Form Approved		
FORMAT 3 - BASELINE										DOLLARS IN THOUSANDS			OMB No. 0704-0188		
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA				2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009				4. REPORT PERIOD a. FROM: 2012/10/22 b. TO: 2012/11/25			
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST 4,312,366				b. NEGOTIATED CONTRACT CHANGE \$1,309,926		c. CURRENT NEGOTIATED COST (A + B) \$5,622,293		d. ESTIMATED COST AUTH UNPRICED WORK 24,850		e. CONTRACT BUDGET BASE (C + D) \$5,647,143		f. TOTAL ALLOCATED BUDGET \$5,450,460		g. DIFFERENCE (E - F) \$196,683	
h. CONTRACT START DATE 6/19/2008				i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018			l. EST COMPLETION DATE 9/30/2018		
6. PERFORMANCE DATA															
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)	OUT YEARS (14)	UNDISTRIB BUDGET (15)	TOTAL BUDGET (16)
			+1 Dec-12 (4)	+2 Jan-12 (5)	+3 Feb-12 (6)	+4 Mar-13 (7)	+5 Apr-13 (8)	+6 May-13 (9)							
a. PM BASELINE (BEGIN OF PERIOD)															
	1,746,347	24,427	31,100	33,736	32,257	32,993	33,121	40,892	653,426	960,017	1,002,105	428,688	2,320,468	0	5,364,704
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
BCRA-011-13-001R0 - RL-011Administrative Correction															
BCRA-PRC-13-002R0 - BCR Log Reconciliation															
BCR-011-13-002R0 - FY2013 PMB Error Correction															
BCR-030-13-002R0 - Implementation of GW Priorities per DOE-RL Letters of Direction # 1204486 & 1204535															
BCRA-PRC-13-001R0 - Add Scope to CLIN 7 and Other CLIN Changes															
c. PM BASELINE (END OF PERIOD)															
	1,780,475	34,128	31,155	33,743	32,120	32,696	33,148	40,845	653,426	960,017	1,002,105	428,688	2,319,832	0	5,364,068
7. MANAGEMENT RESERVE															
															86,392
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 / 22	
b. LOCATION (Address and ZIP Code) Richland, WA				b. NUMBER RL14788				b. PHASE				b. TO (YYYYMMDD) 2012 / 11 / 25	
				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	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)								SPECIFIED PERIODS		AT COMPLETION
			SIX MONTH FORECAST						REM FY13	FY14-18			
			+1 Dec	+2 Jan	+3 Feb	+4 Mar	+5 Apr	+6 May					
ITEM (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	0	1	
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
	0	1	0	0	0	0	0	0	0	0	0	1	
31 - Communications & Outreach													
000.1 - Communications & Outreach	6	537	6	6	6	6	6	6	6	22	420	1,012	
	6	537	6	6	6	6	6	6	6	22	420	1,012	
32 - Safety, Health, Security & Quality													
000.2 - Safety, Health, Security/Quality	52	4,536	55	56	56	56	56	56	56	226	2,839	7,939	
	52	4,536	55	56	56	56	56	56	56	226	2,839	7,939	
34 - Environmental Prog & Strategic Planning													
000.4 - Environmental Prog & Strategic Planning	16	998	19	19	19	19	19	19	19	74	957	2,143	
030.2 - Envr Prog & Strategic Planning	12	1,405	14	17	14	14	18	11	61	1,696	3,251		
	29	2,403	33	36	34	33	36	30	135	2,653	5,393		
35 - Business Services													
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	0	1,302	
000.8 - Chief Financial Officer	77	5,359	85	85	84	84	84	84	84	335	5,519	11,717	
000.9 - Chief Information Officer	0	4	0	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	0	15	
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1	
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11	
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272	
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7	
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2	
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18	
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1	
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13	
	77	7,006	85	85	84	84	84	84	84	335	5,519	13,362	
36 - Prime Contract & Project Integration													
000.7 - Contract and Baseline Management	30	1,898	34	34	34	34	34	34	34	138	2,313	4,554	
	30	1,898	34	34	34	34	34	34	34	138	2,313	4,554	
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	0	0	
3B - PFP Closure													
011.1 - Plutonium Finishing Plant	318	26,707	458	456	478	468	460	465	1,875	12,957	44,322		
	318	26,707	458	456	478	468	460	465	1,875	12,957	44,322		
3C - W&FMP/D&D Project													
012.1 - 100 K Area Project	84	6,532	85	85	86	86	86	86	343	4,545	11,932		
012.2 - Sludge Treatment Project	72	5,598	68	68	68	68	68	68	268	3,460	9,734		
013.1 - Waste Management	262	31,380	286	286	286	286	286	286	1,204	22,311	56,614		
013.3 - Solid Waste Variable	0	0	0	0	0	0	0	0	0	0	0		
040.1 - PRC D&D	0	7,520	0	0	0	0	0	0	1	1,227	8,748		
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	2,096	34	33	33	33	33	34	130	2,324	4,747		
041.1 - River Zone	25	5,658	30	30	33	24	24	24	95	3,375	9,292		
041.3 - Waste Sites	2	1,090	5	3	0	0	0	0	0	990	2,087		
042.1 - FFTF	4	584	5	5	5	5	5	5	18	413	1,043		
	480	61,798	511	509	510	501	501	502	2,059	39,133	106,025		
3D - Soil & Groundwater Remediation													
030.1 - Soil & GW Remediation	200	15,763	254	269	273	277	292	273	1,136	18,008	36,545		
	200	15,763	254	269	273	277	292	273	1,136	18,008	36,545		
3F - Engineering, Projects & Construction													
000.F - Eng/Procurement & Construction	12	1,227	13	13	13	13	13	13	54	766	2,127		
030.3 - EPC - Groundwater	2	3,333	5	3	3	3	3	3	12	0	3,365		
	14	4,560	18	17	17	17	17	16	66	766	5,492		
Grand Totals:	1,206	125,210	1,454	1,468	1,491	1,475	1,486	1,466	5,990	84,608	224,648		

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
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) 2012/10/22	
b. LOCATION (Address and ZIP Code) Richland, WA 99354			b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2012/11/25		
			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:	34,128	34,801	31,670	673	2.0%	3,131	9.0%	1.02	1.10
Cumulative:	3,102,791	3,093,822	3,052,669	(8,968)	-0.3%	41,153	1.3%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,364,068	5,341,220	22,848	0.4%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month favorable Schedule Variance (+\$0.7M) is primarily due to RL-0011 PFP Closure Project positive variance (+\$1.4M) attributed to progress earned on work scheduled to be complete in prior periods. The variance is partially offset by a negative variance in RL-0012, due to delays in Annex Construction design changes coupled with a slow start on construction activities by the contractor, delays in completing ECRS final design due to the large number of RCR comments that required resolution, and RL-0041 planned waste site work that was completed in a prior period.</p>									
<p>Current Period Cost Variance: The Current Month favorable Cost Variance (+\$3.1M) is primarily reflected in the RL-0012, MSA support (crane & rigging, facility services, and motor carrier services) having been less than expected. STP Testing is completing work with fewer than planned resources (materials and support from FFS). Planned efficiencies were realized in 100K Operations and in other projects along with completion of B Plant filter replacement with filters procured in FY2012.</p>									
<p>Cumulative Schedule Variance: The Cumulative Schedule Variance (-\$9.0M) is within reporting thresholds.</p>									
<p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$41.2M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$18.2M) and prior year G&A/DD/PSD distribution variances (+\$23.0M).</p>									
Impact:									
<p>Current Period Schedule: No significant impacts by PBS have been identified.</p>									
<p>Current Period Cost: No significant impacts by PBS have been identified.</p>									
<p>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, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field teams is pushing completion of follow-on work, impacting TPA Milestone M-083-00A. The current forecast is showing an 82 working-day delay to TPA Milestone M-083-00A. The top ten critical float paths contain activities associated with D&D 242-Z, D&D 236-Z (PRF), D&D 243-Z, 291-Z D&D and stack demolition, 234-5Z final filter removal, and process vacuum piping removal. As a result of reduced funding, slightly offset by implementation of breakthrough initiatives, the FY2013 Baseline Update reflects an impact of a one-year delay from the PMB3 Baseline Plan that was submitted in November 2011. Due to FY2013 and FY2014 funding constraints, 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. 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 Forecast: June 8, 2016. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016 Forecast: January 9, 2017. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&M Plan to Ecology. Due June 30, 2016. Forecast: June 30, 2016. For RL-12, RL-13, RL-30, RL-40, RL-41 and RL-42, the schedule variance is within threshold with no significant impact.</p>									
<p>CTD Cost: For PBS RL-11, an over-run at completion is forecast, primarily due to unexpected greater complexity of work experienced in prior years, costs to complete the behind-schedule FY2012 work scope, and the FY2013 work scope impacted by chemical mitigation. The EAC includes the cost of extending level-of-effort services, consistent with delayed activities in support of completing 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.</p>									

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

Corrective Action:

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

Current Period Cost: No corrective actions are required.

CTD Schedule: For PBS RL-11, the following corrective actions are in place: 1. Overtime is being used for specific priority work scope to recover schedule slippage. This action continues (November OT use was 13.9%). 2. Overtime will be used whenever possible to recover schedule slippage resulting from reassigned MT glovebox team supporting issues associated with chemical mitigation. The emergent chemical mitigation efforts are still being evaluated. Actions and estimated time for schedule recovery will be established in the next accounting period. 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):

Favorable schedule performance was primarily in RL-0011, partially offset by delays in RL-0012 and RL-0041:

- RL-0011 due to progress earned on work scheduled to be complete in prior periods;
- RL-0012 due to further delays to Annex Construction due to design changes and a slow start on construction activities by the contractor, and delays in completing ECRS final design due to the large number of RCR comments that required resolution;
- RL-0041 due to planned waste site work that was completed in a prior period.

Cost performance in November reflects favorable cost variance in RL-0012 MSA support (crane & rigging, facility services, and motor carrier services) for having been less than expected to date. STP Testing is completing work with fewer resources (materials and support from FFS). Planned efficiencies were realized in 100K Operations and in other projects along with completion of B Plant filter replacement with filters procured in FY2012.

Corrective actions for PFP include continued use of overtime for specific priority work scope to recover schedule slippage. Overtime will be used whenever possible to recover schedule slippage resulting from reassigned MT glovebox team supporting issues associated with chemical mitigation. The emergent chemical mitigation efforts are still being evaluated. Actions and estimated time for schedule recovery will be established in the next accounting period. 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 \$22.8 million and +0.4% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

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

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
BCR-030-13-002R0	Implementation of GW Priorities per DOE-RL Letters of Direction # 1204486 & 1204535	2013 - 2015	\$636K
Overall MR Change in November 2012 increased \$636K			

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:
Project Control Staff

Date:
12/20/2012

Approved by:

Date:

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

Appendix B

Project Services and Support (WBS 000)



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

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

November 2012
CHPRC-2012-11, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

K. G. Tebrugge
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-EPC-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	9/30/13	5%
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	66%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	5%
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	36%
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%

Objective #	Objective	Target	Due Date	Status
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 November, the CHPRC Functional Program organizations continue with no Total Recordable Injuries, have accumulated over 1,800,707 person hours worked without a recordable injury (two years and five months), and over 3,004,736 person hours worked (over four years) without a DART case.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees, including the development of training materials for the new Global Harmonization System (GHS) and the development of a Fall Protection Work Flow Chart.
 - Provided support to Mission Support Alliance, Inc. (MSA) on the development of a field hazard reference book.
 - 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.
 - Continued support to Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) for the Effluent Treatment Facility (ETF) Heat Exchanger maintenance work.
 - Continued efforts on CHPRC safety observation program.
 - Continued with the Development of a GAP Analysis Tool for the Voluntary Protection

- Program (VPP).
- Continued development of the VPP Management Plan.
 - Developed the VPP Pocket Guide.
 - Continued development of the VPP Communication Plan.
 - Provided support to the site wide evaluation process for installation of an egress trailer and tent in C-Farm.
 - Developing technical operating procedures for the Gas Chromatograph Mass Spectrometer (GCMS).
 - Placed two GCMS in operational readiness phase in the Soil and Groundwater Remediation Project (SGWP).
 - Continued development of a new Chemical Management Program.
 - Provided support to a snow drill with MSA to ensure appropriate planning has been made.
 - Supported the test pilot for the O-ring bumper guards on the TL respirators at the Plutonium Finishing Plant (PFP).
 - Provided support to PFP for chemical hazard evaluations on remaining chemical lines.
 - Provided compliance walk downs on fixed ladder within DWF&RS.
- o Fire Protection accomplishments:
- For the month of November, the Fire Protection Program issued three Fire Marshal Permits and conducted two assessments and three surveillances. In addition, two fire system restrictions/impairments were identified.
- o Emergency Preparedness (EP) accomplishments:
- Twelve drills were performed in November, nine were operational drills.
 - Received RL Triennial Emergency Preparedness Program Assessment Report.
 - Strength noted – CHPRC has made several improvements to the training and drills program element since the last triennial assessment.
 - Submitted Canister Storage Building and Interim Storage Area Continuity of Operations Plan to RL for approval.
 - Initiated CHPRC EP Program Management Self-Assessment.
 - Developed and implemented drill player feedback process to improve overall drill training value.
 - Supported inclement weather readiness drill.
- o Radiological Control accomplishments:
- Performed dose calculations to support Waste Characterization activities.
 - Continue to support site-wide Radiological Control committees.
 - Completed assessment of leased/rented/contracted equipment.
 - Completed assessment of CHPRC Radiological requirement flow-down.
- o Operations Program accomplishments:
- Waste & Fuels Management Project (WFMP) Conduct of Operations Implementation Matrix completed and sent to RL.
 - Completed and received Executive Safety Review Board (ESRB) approval of the root cause analysis concerning implementation of NFPA 70E requirements for accessing energized enclosures.
 - Supported ongoing revision process for the Hanford Site-wide hazardous energy control program.
 - Supported Contracts improving interface with other prime contractors for managing landlord facilities.
 - Assisted Liquid Waste fuel Storage (LWFS) with findings and observations from their recent Nuclear Safety and Performance Evaluation Board (NSPEB) visit.

- Provided program support to Safety for maintenance of ladders and Radiological Controls to update continuous air monitor calibrations at T Plant.
- Received notice that the calibration contract has been shifted from Energy Northwest to a Redmond based company called Micro Precision Instruments. Many unanswered questions resulted in an implementation delay and a third one month extension for Energy Northwest to continue support until December 31st.
- o Nuclear Safety deliverables prepared and transmitted to RL in November include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1204753, dated November 12, 2012, *Transmittal of New Hazard Categorization for the Cold Vacuum Drying Facility and Request to Terminate the Existing Safety Basis.*
 - Letter, CHPRC-1204904, dated November 15, 2012, *Transmittal of the 2012 Annual Update for the Canister Storage Building and 200 Area Interim Storage Area Authorization Agreement.*
 - Letter, CHPRC-1204905, dated November 15, 2012, *Transmittal of the 2012 Annual Update of the Waste Encapsulation and Storage Facility Authorization Agreement.*
 - Letter, CHPRC-1204981, dated November 16, 2012, *CHPRC Transmittal of Notification of Completion of Exhaust Fan Conditions of Approval - 291-Z Exhaust Fan Failure.*
 - Nuclear Safety deliverables received from RL in November include:
 - Letter, 13-SED-0013, dated November 15, 2012, *Approval of Annual Update to the Plutonium Finishing Plant (PFP) Safety Basis and Unreviewed Safety Question Summary Report.*
 - Letter, 12-SED-0018, dated November 27, 2012, *Transmittal of the 2012 Annual Update to HNF-13830, Revision 3, Reduction-Oxidation (REDOX) Facility Documented Safety Analysis (DSA), and the Unreviewed Safety Question Determination Summary.*
- o Contractor Oversight, Assurance & Reporting accomplishments:
 - Cause Evaluation Problem Statements were a topic for the Issues Management Forum in November.
 - Issues Management personnel facilitated an hour-long Question and Answer session with CHPRC Fire Protection Engineers and their management.
 - During November, 257 CRs were screened:
 - 1 significant
 - 2 adverse
 - 124 TUF
 - 39 TO
 - 91 OFI
 - 9 Screened Out
 - Commenced “beta testing” of FY2012 software upgrades to the Integrated Evaluation Plan (IEP) software.
 - Completed the quarterly roll up review (SHS&Q-2012-SURV-11918) of completed Management Assessments (MAs) and selected Work Site Assessments (WSAs).
 - Completed field work for the CHPRC Radiation Protection Program 10 CFR 835 triennial assessment of Subpart K, Design and Control (SHS&Q-2013-SURV-10692).
 - Selected WSAs were reviewed and constructive feedback provided to the owning managers and assessors to improve future assessment quality.
 - Provided mentoring and support to the Business Services (Training) team in the development of the assessment plan and Lines or Inquiry for a significant MA.
 - Provide mentoring support to Project Controls & Project Integration in the development of an

- assessment plan and Lines of Inquiry.
- Continued the 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. Met with RL Startup Readiness POCs to discuss planned changes and DNFSB comment resolution.
- Provided technical support to PRC Procedure System user testing and training.
- Supported Nuclear Safety Performance and Evaluation Board Quality Assurance Extent of Condition Review.
- Attended EFCOG meeting and provided support to the ORPS working Group, QA working group, and QA Corporate Board.
- o Quality Assurance accomplishments:
 - Completed Gap Analysis of Richland Requirements Document 008, *Quality Assurance* [implementation of Environmental Quality Assurance Program (EM-QA-001) revision].
 - Briefed QA staff on results of NSPEB QA evaluation (extent of condition review from MCO event).
 - Completed support for the DOE-Headquarters Suspect/Counterfeit Resource Manual.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium CAP products.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implemented Beryllium work permit at PFP.
 - o **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 EMS team that organized the CHPRC Zero-Waste Picnic has been selected for a “special achievement award” by the Eastern Washington chapter of the Academy of Certified Hazardous Materials Managers. The award will be presented in December 2012.
- Completed the Underground Injection Control (UIC) well storm water assessments of over 400 wells.

Environmental Protection

- **Potential Compliance Item Status**
 - o **Asbestos:** CHPRC continues to work with RL and EPA on asbestos management issues.
 - Completed preparations for a one day NESHAP training course to be offered to site employees December 10-11.
 - Supported an EPA Region 10 follow-up visit and walkdown of demolition sites on November 28-29, 2012. The visit went well as sites were well-identified (signage) in the K Area and on the Central Plateau.
 - Conducted the Asbestos Action Plan monthly meeting (final routine meeting).
- **Central Waste Complex Box 231ZDR-11 and WRAP Drum Leak Reports:** On November 26, Ecology provided a second draft “Agreed Order” (compliance order). This revised version includes the attachments “Exhibit B” and “Table 1.” Exhibit B describes the actions Ecology proposes to resolve the RCRA issues and Table 1 provides an inspection schedule, essentially requiring daily inspections for most wastes. CHPRC performed a regulatory and cost analysis of these proposed requirements. Working closely with RL to address the allegations and negotiations are to continue.

- **RCRA Draft Permit:** Ecology is in the process of reviewing the extensive public comments they have received for the draft permit. Working with RL to evaluate possible outcomes of this review.
- **Other Environmental Accomplishments:**
 - o No reportable spill events.
 - o Seven external regulatory inspections performed during the month, no issues.
 - o Continued timely accurate and complete regulatory support of RL on compliance issues.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessments Completed in November**
 - o Environmental Compliance Inspection of the Sitewide Visual Inspection for Identification of Potential Waste. Issues were communicated with the responsible Projects.
 - o Environmental Compliance Inspection of Underground Injection Control – Two findings were identified. This is a separate effort from the recently completed assessment of over 400 UIC wells.
 - o Environmental Compliance Inspection of Herbicides and Pesticides Compliance was completed with no findings and no OFI's identified. This inspection was done in coordination with MSA.
- **Assessments in Process**
 - o Environmental Compliance Inspection – Pollution Prevention (P2) – Field Work in process and will be completed by December 31, 2012.
 - o Environmental Compliance Inspection – Effluent and Environmental Monitoring. Inspection is in planning and will be completed by December 31, 2012.
 - o Environmental Compliance Inspection of Asbestos Management is in planning and will be completed by December 31, 2012.
 - o Environmental Compliance Inspection of the 100KW Qualified Process: Sludge Removal End-Point Criteria is in planning and will be completed by December 31, 2012.
 - o Environmental Compliance Inspection of Environmental Notifications is in planning and will be completed by December 31, 2012.

Business Services

Acquisition Planning

- Finalized conceptual agreement of Option Period Strategy with RL Contracting Officer.
- Continue to work with Projects on Small Business opportunities (Elevator Inspections, large IP-1 bag and box, awarded NEC Inspections).

Finance

- Submitted the 2nd Quarter planned conference travel requests to RL for approval.
- Initiated transition of the travel contract to Travel and Transport. Transition will occur on January 1, 2013.

Procurement

- For the month of November 2012, the Procurement group awarded 33 new contracts with a total value of \$1.3M, amended 142 existing contracts with a total value of \$11.6M, for a grand total of \$12.9M. Additionally, awarded 257 new material Purchase Orders valued at \$390K to support ongoing project objectives.
- At the end of the first 50 months of the PRC, procurement volume has been significant; \$2.0B in contract activity has been recorded with approximately 48.6% or \$985M in awards to small businesses. This includes 6,031 contract releases, 14,042 purchase orders, and 208,398 P-Card transactions.
- Procurement Balanced Scorecard Review for FY2012 and the Balanced Scorecard Plan for FY2013 was submitted and accepted by RL. Procurement met all the goals outlined in the FY2012 Review.

- CHPRC Procurement received consent from RL for the 105-KE Interim Safe Storage Facility procurement package. Although the authorization for work is not in the current CHPRC baseline, RL did agree that the package is consistent with subcontract competition requirements and contract type is in line with the risk involved.

Material Services

- Created the eBOM Daily Approval report for the Vice President at PFP as a real time review and approval to minimize goals.
- Created another “how to” message for eBOM users in response to comments received on the Material Services Customer survey showing eBOM users how to use the Search Tool.

Information Technology & Services

- Initiated Printer Optimization program to reduce the number of standalone printers used throughout CHPRC as a 2013 EMS objective.

In final stage of replacing non-Windows 7 capable computers in preparation for the CIO direction to move forward with implementing the site Windows 7 and Office 2010 deployment and upgrades.

Prime Contract and Project Integration (PC&PI)

In November, Prime Contracts received and processed one (1) contract modification (number 246) from RL. This mod implementing a change in the service provider for dosimetry from PNNL to the MSA was acknowledged, however CHPRC reserved its rights to a future equitable adjustment due to the fact that impacts associated with this mod are currently unquantifiable. The Correspondence Review Team reviewed and determined the distribution for 19 incoming letters/documents and the Contract Compliance Manager reviewed 38 outgoing correspondence packages.

The Estimating group provided project support as follows:

- DWF&RS Project:
 - o Sludge Treatment Project (STP):
 - Supported a joint briefing by the STP and Estimating to DOE-RL on the basis for CHPRC’s proposal in response to prospective Change Order #186, “*Garnet Filter Media Removal Phase I*”.
 - Estimating continued work on the review and development of estimates for change orders submitted by FE&C, related to the Annex Construction project.
- Plutonium Finishing Plant Closure Project:
 - o Continued work with the Chemical Mitigation team while they investigate and document the amount of chemical lines that contain measurable liquids, and eventually utilize the information to develop an overall cost estimate of impact to baseline work during deactivation. CHPRC notified RL that a change in condition exists and a future estimate of impact will be provided.
- Soil and Groundwater Remediation Project:
 - o Provided to RL a scoping summary / quantity estimate associated with the Lysimeter work scope, the subject of perspective Change Order 190. This informational information exchange was conducted for the purpose of assisting RL in their decision process on the prioritization of work and ultimately, the revised direction they intend to send to CHPRC. All other activity is on hold regarding this proposal.
- Engineering, Projects and Construction:
 - o Completed a check-estimate at the request of EPC that provided a comparison to an estimate received from Fluor Federal Services for construction work in the K West Basin. The work involves the removal of the no longer in use flocculent skid and the preparation of the over-basin grating for modifications associated with the sludge removal system.
- Safety, Health, Security, and Quality (SHS&Q):
 - o Working with SHS&Q, Estimating kicked off the effort to develop a Change Proposal in response

to prospective Change Order #199, “*OSHA Revised Hazard Communication Standard*”. This prospective change is approved would implement the changes contained in OSHA's revised Hazard Communication Standard,

- Activities associated with Sage/Timberline estimating software included:
 - Hosted a three-day visit by the CH2MHill Subject Matter Expert to conducted focused training for the System Administrator and Estimating staff. Topics covered included:
 - Use of Eos Explorer
 - Report Layouts and Changes to Reports
 - Assembly generation and review
 - One-on-one user training sessions
- Other Estimating Group Activities
 - Established an FY2013 internal Worksite Assessment schedule
 - Worked with Projects & System Integration group to develop a template for estimates and Bases Of Estimates (BOE)
 - Performed a Worksite Assessment on training plans and records and corrected two identified deficiencies (missing training plan and EJTA record).
- Provided supporting documentation to RL which will assist in aligning the approved Fiscal Year 2013 Performance Measurement Baseline with the contract Table B.4.
- Attended Cobra 5.1 training, which is planned for implementation in fiscal year 2013.
- Continued supporting efforts associated with the FY2015 – 2019 Budget Formulation process.
- Began preparations to perform FY2013 self-assessments, mainly centered around EVMS compliance.

Engineering, Projects and Construction (EPC)

- EPC Construction completed the final (#29) concrete pourback for the 100 KE Interim Safe Storage Project on November 27, 2013. Clean-out of the reactor building interior is scheduled for completion in December; the reactor building will then be placed into standby, pending future approve to proceed with cocooning of the building.
- Central Engineering (CE) continues to support site wide arc flash calculations for CHPRC and WCH projects. Ongoing calculations include electrical distribution at the following locations:
 - 200E Integrated Disposal Facility (CHPRC), in check
 - 200W Radioactive Mixed Waste Disposal Facility-Trench 31 and 34 (CHPRC), in check
 - 200W ERDF Maintenance Facility-Building 2405W (CHPRC), in check
 - 200W T-Plant complex (CHPRC), in check
 - 100N Bio-Remediation site (WCH), completed November 27, 2012
 - 200W ERDF cells 9/10 (WCH), in check
 - 200W 202S Facility, in development
- CE Chaired the Energy Facilities Contractors Group (EFCOG) Engineering Practices Working Group Meeting in Denver November 13-15. The meeting included Break-out sessions related to Cognizant System Engineer Program and Pressure Systems. Other topics discussed included development of White Papers on Code of Record and Commercial Grade Dedication (CGD), and development of a Conduct of Engineering curriculum and training materials.
- CE addressed PFP questions on HEPA filter storage and provided authorization for special storage situation specific to PFP.
- CE assisted STP ECRTS in the completion of logic design and subsequent STP control system validation on the Retrieval/Transfer System Control Panel (ECRT-PNL-101) at MASF and is currently performing this same validation on the Annex Control Panel (ECRT-PNL-201). CE is assisting STP ECRTS with logic design and subsequent STP control system validation on the Retrieval/Transfer System Control Panel (ECRT-PNL-101) at MASF. This effort is to support the

addition of the smart relays in the design. This effort is to support the addition of the smart relays in the design.

- CE Completed EPC-2013-WSA-11639, Waste and Fuels Confinement Ventilation System, on the WRAP confinement ventilation system.
- CE supported efforts to transfer aged spare HEPA filters from PFP spare parts to Mississippi State University for DOE funded performance testing.
- In support of CR-2012-2066, CE commenced a review of electrical equipment purchased as QL-0 in the last two years to identify equipment to inspect for compliance to NRTL requirements..
- CE participated in the EFCOG Quality Assurance SubGroup meeting November 27 and 28. CE also participated in the DOE EM Board of Directors meeting. Topics of interest to CE included sessions focused on CGD, ASME Certification, Suspect/Counterfeit Items, NQA-1, and Software Quality Assurance/Commercial Grade Dedication of Quality Affecting Software.
- CE Released a HEPA filter technical evaluation of the MASF HEPA filters following a graded approach for Non-VSS application.
- CE delivered a presentation to the CHPRC Executive Safety Review Board (ESRB) describing the status of the CHPRC CGD Program. CE has identified needed improvements to address findings in recent assessments.
- CE supported the Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) in developing a rough order magnitude (ROM) estimate for updating existing drawings for the Solid Waste Operation Complex (SWOC). The drawings are to be stamped by a licensed professional engineer (PE) in the State of Washington for submittal to the Washington State Department of Ecology.
- CE provided input to the Plutonium Finishing Plant (PFP) Project regarding the Brittle Fracture issue of Steel Shipping Containers and the compliance with NUREG/CR-1815 Criteria (SAF).
- CE Support of Sludge Treatment included the following:
 - o CE developed DCN-047 to clarify the location of heat detectors in the exhaust inlet plenum and HEPA filter housing.
 - o CE corrected system numbers in the Document Management Control System (DMCS) database to reflect ventilation configuration baseline documentation.
 - o CE completed redline change 019 to delete a redundant valve in the instrument air system.

Communications

Internal

- Produced two episodes of InSite, CHPRC's biweekly news broadcast, including an honorary Veterans Day video and slide show of accomplishments from fiscal year 2012.
- Produced four issues of the Weekly Update, the weekly CHPRC bulletin. Messages included President and Chief Executive Officer, John Fulton; Chief Counsel, Stan Bensussen; and Vice President of Safety, Health, Security and Quality, Terry Vaughn.

Media

- CHPRC projects were featured in an EM Recovery News Flash on Recovery Act cleanup milestones.
- Removal of a 10-ton glovebox from the Plutonium Finishing Plant was featured in the Seattle Daily Journal of Commerce.
- CHPRC was included in an EM Technology News Flash, "EM's \$500,000 Investment in Contaminant Remediation Leads to Hanford Site Strategy Providing \$6.35 Million in Cost Savings," about cost savings and efficiencies in the Deep Vadose Zone remediation partnership with RL and the Pacific Northwest National Laboratory (PNNL).

Public Involvement

- Developed presentation on M-15 Milestones (status of work plans for operable units in the Central Plateau) and provided consultation to presenter in preparation for the November Hanford Advisory Board River and Plateau Committee meeting.
- Supported and provided consultation to RL in preparing for the public comment period for proposed modifications to the Tri-Party Agreement (TPA). Produced the final fact sheet and display advertisement that notified stakeholders of the public comment period and explained the details of the change packages.

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)
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-4.1%	1.0
Safety, Health, Security and Quality	1.4	1.4	1.6	0.0	0.0%	(0.1)	-9.3%	15.7
Environmental Program and Strategic Planning	0.4	0.4	0.4	0.0	0.0%	(0.0)	-0.0%	3.9
Business Services	3.1	3.1	2.9	0.0	0.0%	0.2	5.7%	34.9
Prime Contract and Project Integration	0.8	0.8	0.6	0.0	0.0%	0.2	20.7%	8.3
Engineering, Projects and Construction	0.4	0.4	0.4	0.0	0.0%	(0.0)	-1.9%	3.9
Indirect WBS 000 Total	6.1	6.1	5.9	0.0	0.0%	0.2	3.2%	67.6

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

CM Cost Performance: (+\$0.2M/+3.2%)

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)
Communications	8.4	8.4	7.6	0.0	0.0%	0.7	8.9%	15.1
Safety, Health, Security and Quality	68.8	68.8	73.5	0.0	0.0%	(4.7)	-6.8%	145.0
Environmental Program and Strategic Planning	14.4	14.4	14.2	0.0	0.0%	0.2	1.4%	33.4
Business Services	400.5	400.5	355.9	0.0	0.0%	44.6	11.1%	614.1
Prime Contract and Project Integration	44.5	44.5	42.6	0.0	0.0%	1.9	4.3%	92.2
Engineering, Projects and Construction	23.1	23.1	23.0	0.0	0.0%	0.1	0.4%	43.7
Indirect WBS 000 Total	559.7	559.7	516.8	0.0	0.0%	42.8	7.7%	943.5

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: (+\$42.8M/+7.7%)

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 (+\$20.4M) was incurred in FY2012 due to a partial Pension payment pending receipt of full funding from RL.

Baseline Change Requests

BCRA-PRC-13-002R0 – *BCR Log Reconciliation*

BCRA-PRC-13-001R0 – *Indirect Labor Rate Adjustment*

BCRA-000-13-001R0 – *Add Scope to CLIN 7 and Other CLIN Changes*

