



J. C. Fulton
President and Chief
Executive Officer

Monthly Performance Report

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

September 2013
CHPRC-2013-09, Rev. 0

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EXECUTIVE SUMMARY

- The Department of Energy Richland Operations Office (DOE-RL) announced the decision to exercise the 5-year option period for CH2M Hill Plateau Remediation Company (CHPRC) to continue Hanford cleanup through FY2018.
- The removal of plutonium-contaminated process equipment continued at the Plutonium Finishing Plant (PFP) Closure Project, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is now at 84 percent complete.
- The Soil & Groundwater Remediation Project closed out the fiscal year with 1,891 million gallons of groundwater treated and 45,178 kilograms of contaminants removed since October 2012.
- The Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) project surpassed the key performance goal to treat 7 million gallons of waste water in the fiscal year at the Effluent Treatment Facility (ETF). Waste water from the Liquid Effluent Retention Facility is pumped to ETF for treatment in process units that remove contaminants.
- Construction on the KW Annex continued with completed mobilization of staff and initiated erection and fastening of the interior forms to the building footings forming panels for the Annex High Bay shielding walls.
- CHPRC was recognized by the City of Richland for the Green Living Event of the Year award for its 2012 Zero Waste Employee Picnic. Picnic coordinators used the strategic objectives of the CHPRC ISO 14001-certified Environmental Management System (EMS) and company culture to limit the waste to zero. Employees participated in the second Zero Waste picnic in September and successfully diverted 98 percent of the waste from local landfills.
- CHPRC submitted the Annual Performance Measurement Baseline (PMB) update to DOE-RL. The PMB is used to align planned work with the contract and comprises the technical documentation, schedule, and cost estimates for the work planned in the coming years.



The loading bay of the KW Annex under construction.



CHPRC received the Green Living Event of the Year award from the City of Richland for hosting a zero waste employee picnic.

Focus on Safety

- The President’s Zero Accident Council (PZAC) meeting for September 2013 was hosted by the Safety, Health, Security, and Quality organization. The three main themes for the meeting were:
 - o Unwanted Guests: Critters
 - o Cold Weather Protection
 - o Flu Clinics
- The first PZAC presentation put a bug in the audience’s ear reminding them that critters tend to move into occupied areas as the weather turns colder. The presentation told how to avoid contact with the uninvited guests, how to recognize their unwanted nests, and who at Hanford would be best to get rid of the unwelcome pests. Next, a review of cold weather protection discussed effective methods to put the freeze on equipment and building damage due to the approaching wintery conditions. The EMS presentation lauded the achievement of CHPRC’s annual zero-waste picnic in outperforming last year’s success by diverting 98.5 percent of the waste stream from the landfill. During the safety performance review, the audience briefly cheered the longest period without a recordable injury on the way to meeting the 1 million safe work hours goal. However, the news that a recent injury reset the clock served to make the crowd resolute to try, try again. The meeting was completed following the publication of the 2013 schedule for flu shot clinics, Stretch and Flex, Good News Stories and a report on the Voluntary Protection Program (VPP).
- In September, five “Thinking Target Zero” (TTZ) bulletins were published to convey important environmental and occupational safety and health messages:
 - o 2013 Back to School Safety
 - o VPP: Management Leadership
 - o EMS: Compliance
 - o Cement Asbestos Board
 - o CH2M Hill Safety Philosophy
- *Weekly Safety Tailgate* briefing packages for September communicated relevant topics and safety information to the workforce:
 - o Return to Work After Labor Day: Focus on Safety
 - o Avoiding Deer and Elk
 - o New Employee Job Task Analysis Procedure
 - o Accurate Timekeeping
 - o Revision to the Biological Hazards and Bloodborne Pathogens Procedure
 - o Chronic Beryllium Disease Prevention Program Improvements
 - o Legacy Cement Asbestos Board
 - o Hanford Site Traffic Safety Committee
 - o VPP weekly messages, including Recognition of CHPRC national awards for Innovation, Hanford Safety and Health Outreach, and the annual scholarship grant to the child of a CHPRC employee
 - o “What Would You Do?” Ethics Awareness messages
 - o Injury/Illness Summaries, Close Calls, and the TTZ of the week

Date	Wkday	Time	Location
16-Oct	Wednesday	10:00 AM - 3:00 PM	Federal Building, 825 Jadin Ave., Rm. 142--Conf. Rm. 152
17-Oct	Thursday	9:00 AM - 3:00 PM	200 East, 2101 M, Cosmos/Bjou Rm.
20-Oct	Tuesday	8:30 AM - 12:30 PM	200 West, PFF, MO 250
22-Oct	Tuesday	2:00 PM - 4:00 PM	ERDF Bldg, 629A, POD Mfg. Rm.
23-Oct	Wednesday	8:30 AM - 10:00 AM	100K, MO 500, Conf. Rm. East
23-Oct	Wednesday	11:30 AM - 1:30 PM	HAMMER, Admin. Bldg, Rm. 21
24-Oct	Thursday	9:00 AM - 3:00 PM	2440 Stevens Bldg., Conf. Rm. 1200
29-Oct	Tuesday	9:30 AM - 12:30 PM	200 West, MO 720 Ops Center
29-Oct	Tuesday	2:00 PM - 4:00 PM	2820 Farm, Conf. Rm. D109
30-Oct	Wednesday	8:30 AM - 11:30 AM	200 East, MO 511
30-Oct	Wednesday	1:00 PM - 4:00 PM	200 Area, MO 172
31-Oct	Thursday	8:30 AM - 11:30 AM	200 West Labs, 2713 Rm. 131 (222 S Lab Area)
31-Oct	Thursday	1:00 PM - 4:00 PM	200 East, 2704 HV, Rm. G108

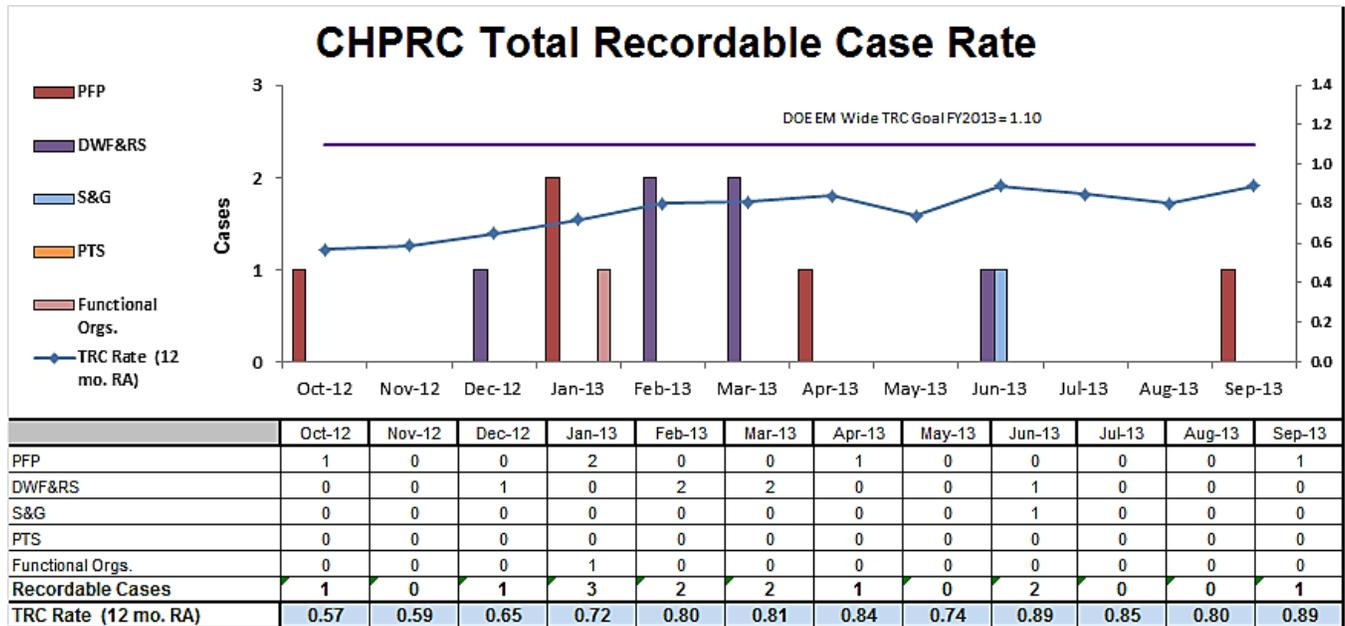
No Cost to YOU!

SHOTS WILL BE AVAILABLE FOR SHIRT WORKERS AT THE 200W HEALTH CARE CENTER, 2719WB Starts Oct 17, 2013. Monday Friday: 1:30 pm - 10:00 pm, Saturday: 8:00 am - 2:00 pm

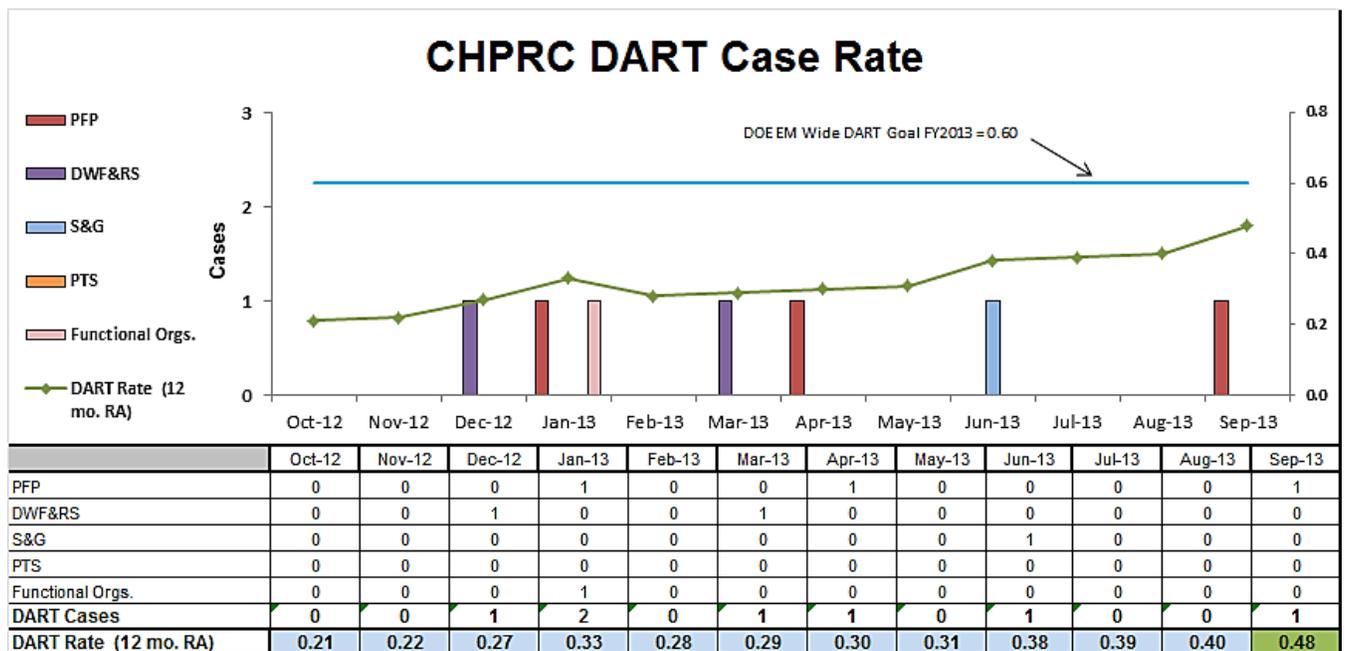


TARGET ZERO PERFORMANCE September 2013

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



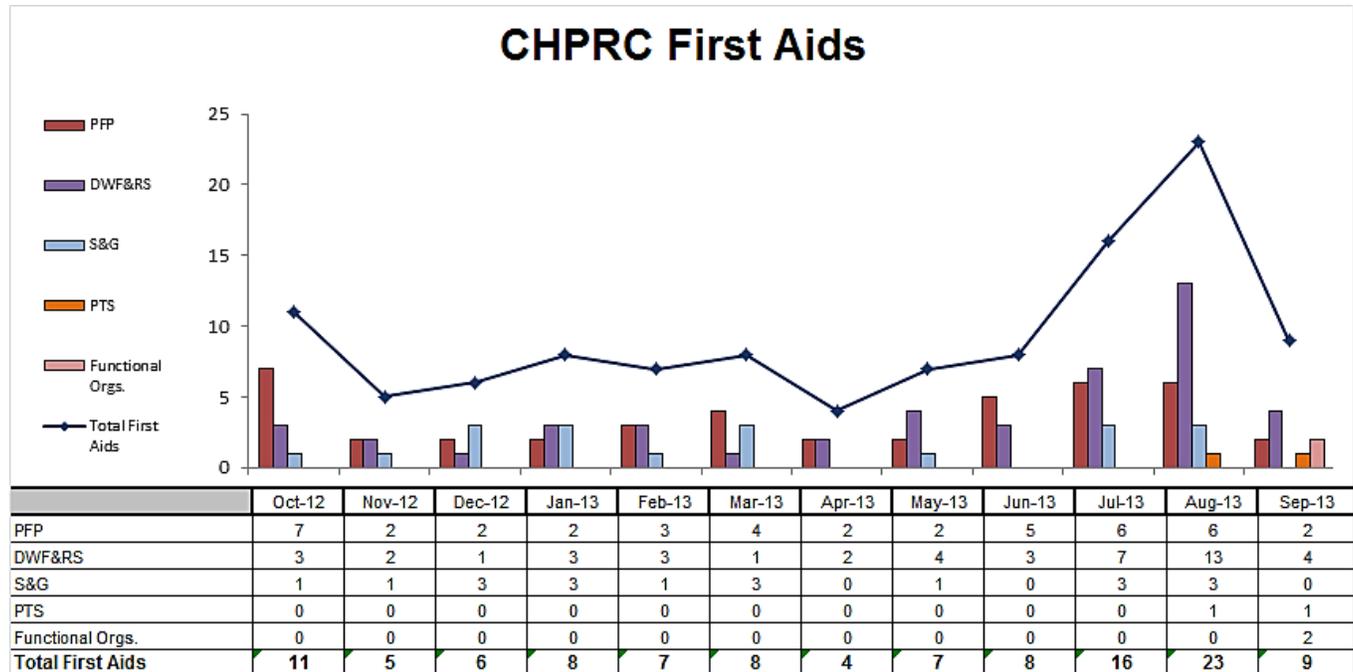
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.89 is based on a total of 13 recordable injuries (six Recordables and seven DART cases). There was one Recordable/DART case in September 2013. There are two cases being reviewed as potentially Recordable. Through September, hours worked since last Recordable Case = 85,690.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.48 is based upon a total of seven Days Away cases. There was one DART case in September 2013. Through September, hours worked since last DART Case = 85,690.

NOTE: DOE-EM has 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 nine first-aid cases in September 2013. The biggest contributors were four abrasions/bruises/contusions, three irritations/potential exposures and two strains.

KEY ACCOMPLISHMENTS

Projects

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

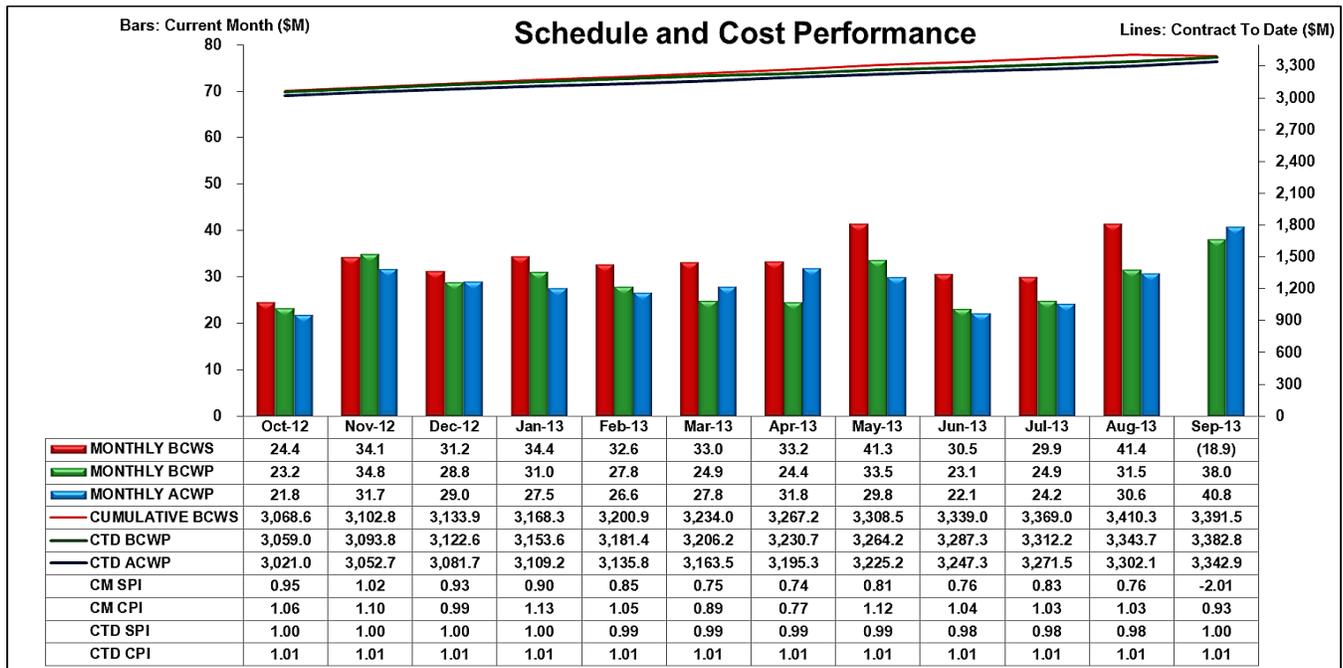
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M					\$M					\$M			
	Current Period					Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - Nuclear Materials Stab & Disp PFP	(19.9)	9.4	9.5	29.3	(0.1)	621.5	613.9	641.9	(7.5)	(27.9)	934.9	971.7	(36.8)	
RL-0012 - SNF Stabilization & Disposition	(9.6)	6.1	9.6	15.7	(3.5)	382.3	382.3	390.5	(0.0)	(8.2)	688.4	696.6	(8.2)	
RL-0013 - Solid Waste Stab & Disposition	8.5	9.8	9.4	1.3	0.4	789.3	789.5	771.7	0.1	17.8	1,324.6	1,254.7	69.9	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	1.3	10.6	10.8	9.3	(0.2)	904.5	903.2	898.3	(1.3)	4.9	1,480.0	1,487.1	(7.1)	
RL-0040 - Nuc Fac D&D - Remainder	1.1	1.2	0.9	0.1	0.3	376.2	376.2	347.1	(0.0)	29.2	484.1	453.3	30.8	
RL-0041 - Nuc Fac D&D - RC Closure Project	(0.6)	0.7	0.4	1.2	0.3	301.7	301.7	280.0	0.0	21.7	390.5	366.0	24.4	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.2	(0.0)	0.0	15.9	15.9	13.5	0.0	2.4	26.2	24.7	1.5	
(Numbers are rounded to the nearest \$0.1M)	Total	(18.9)	38.0	40.8	56.9	(2.7)	3,391.5	3,382.8	3,342.9	(8.7)	39.9	5,328.6	5,254.1	74.4

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$74.4M with \$74.5M of Management Reserve for a total positive variance of \$148.9M. Project performance in September reflects implementation of the annual Performance Measurement Baseline update. For FY2013 and contract to date, the project is on schedule and ~1% under planned cost. Schedule performance in September was primarily due to:

- RL-0011 - Implementation of the FY2014 PMB Update BCR directing the PFP project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment. Partially offset by continuation of unplanned PRF crane repairs.
- RL-0012 - Suspension of process equipment procurements, Annex construction and T-Plant work due to sequestration.

- RL-0013 - Implementation of FY2014 PMB update which rephased work scope per DOE direction (e.g. deferral of T Plant ramp up to FY2015) consistent with the Baseline Update Guidance (BUG) and sequestration impacts, and the completion of FY2010 activity for CSB DSA development.
- RL-0030 - Well drilling activities for BC-5, JR-4, HR-3, and M-24 that have been delayed over the last several months were re-planned in FY2014 as part of the PMB update BCR. In addition, geophysical logging and sampling and analysis activities, in support of well drilling, were also impacted and re-planned into FY2014. These changes resulted in a point adjustment in September and positive schedule variance for the month.

Cost performance in September was primarily attributed to:

- RL-0011 - Implementation of the FY2014 PMB Update directing the PFP project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment.
- RL-0012 - The suspension of work due to Sequestration impacts and the cost to re-plan, resume work heading into FY2014 is resulting in costs that were not included in the baseline.
- RL-0041 - Implementation of the FY2014 PMB update BCR. As part of the BCR, and consistent with the BUG, work scope originally scheduled for completion by the end of FY2013 was deferred to out years.
- Realized efficiencies in multiple projects necessary to meet project funding requirements.

FUNDING ANALYSIS

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

PBS	Project	FY2013		Variance
		Total Funding	Total Cost	
RL-0011	Nuclear Materials Stabilization and Disposition	114.0	106.2	7.8
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	65.3	61.2	4.0
RL-0013	Waste and Fuels Management Project	84.7	78.4	6.3
RL-0030	Soil, Groundwater and Vadose Zone Remediation	93.5	87.7	5.7
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.0	11.4	1.6
RL-0041	Nuclear Facility D&D, River Corridor	9.8	8.2	1.6
RL-0042	Fast Flux Test Facility Closure	2.4	1.9	0.5
Total Base:		382.5	355.0	27.5

Funds/Variance Analysis:

FY2013 funding increased \$2M in September to \$382.5M primarily to align carryover funding in support of continuing operations through FY2014 startup. This included a \$3M reduction in RL-0011, \$3M increase in RL-0012, and \$2M increase in RL-0013. FY2013 total cost of \$355.0M was \$0.3M under the September Fiscal Year Spend Forecast.

BASELINE CHANGE REQUESTS

In September 2013, CHPRC approved and implemented two (2) BCRs. The change requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for September 2013		
BCR-011-13-004R1	<i>Transfer Waste Disposition BCWS Values for RL-011.R1/CI to Non-Capital Asset Control Account</i>	This BCR reverses the action taken in BCR-011-13-004R0. Additional discussion with RL and potentially DOE-HQ is required prior to implementing this change into the PMB. Although the scope is not required to meet the KPP End Point criteria, this contingent work scope was part of the CD-2 baseline. Removing this scope from the capital asset project requires additional coordination.
BCR-PRC-13-008R1	<i>FY2014 CHPRC PMB Annual Update</i>	The purpose of this BCR is to implement the CHPRC FY 2014 Annual PMB update, as directed in RL letter, 13-PIC-0010, "FY2014 Annual PMB Update" dated August 6, 2013. This BCR updates the FY2013-FY2018 contract performance scope, schedule, and budget.

Overall, the contract period Performance Measurement Baseline budget decreased \$42.1M.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-PRC-13-008R1	<i>FY2014 CHPRC PMB Annual Update</i>	2013 - 2018	(\$9.9M)

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-PRC-13-008R1	<i>FY2014 CHPRC PMB Annual Update</i>	2013 - 2018	\$9K

See the Format 3 Report in Appendix A for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The PMB values of change requests are summarized by fiscal year in the tables below (dollars in thousands):

September 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total
August 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	409,606	3,453,842	1,916,846	5,370,688	5,370,688
MR	0	0	0	0	1,994	1,994	82,439	84,433	84,433
Fee	39,712	48,772	32,322	17,023	13,115	150,944	76,751	227,695	227,695
Total	693,138	1,008,790	1,034,427	445,711	424,714	3,606,779	2,076,036	5,682,815	5,682,815
September 2013 Change									
PMB									
Change to PMB	0	0	0	0	-62,365	-62,365	20,244	-42,121	-42,121
MR									
Change to MR	0	0	0	0	-1,994	-1,994	-7,916	-9,910	-9,910
Fee									
Change to Fee	0	0	0	0	4,560	4,560	-4,551	9	9
Total Change	0	0	0	0	-59,799	-59,799	7,777	-52,022	-52,022
September 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	347,240	3,391,477	1,937,090	5,328,567	5,328,567
MR	0	0	0	0	0	0	74,523	74,523	74,523
Fee	39,712	48,772	32,322	17,023	17,675	155,504	72,200	227,704	227,704
Total	693,138	1,008,790	1,034,427	445,711	364,915	3,546,981	2,083,813	5,630,794	5,630,794

Changes to/Utilization of Management Reserve in September 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
August 2013 MR Totals								
RL-0011	0	0	0	0	0	0	20,747	20,747
RL-0012	0	0	0	0	1,053	1,053	14,498	15,551
RL-0013	0	0	0	0	1	1	10,238	10,239
RL-0030	0	0	0	0	410	410	14,733	15,143
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
Total	0	0	0	0	1,994	1,994	82,439	84,433
September 2013 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	53	53
RL-0012	0	0	0	0	-1,053	-1,053	-198	-1,251
RL-0013	0	0	0	0	-1	-1	-1,672	-1,672
RL-0030	0	0	0	0	-410	-410	-1,946	-2,356
RL-0040	0	0	0	0	-80	-80	-967	-1,047
RL-0041	0	0	0	0	-400	-400	-3,151	-3,551
RL-0042	0	0	0	0	-50	-50	-35	-85
Total	0	0	0	0	-1,994	-1,994	-7,916	-9,910
September 2013 MR Totals								
RL-0011	0	0	0	0	0	0	20,800	20,800
RL-0012	0	0	0	0	0	0	14,300	14,300
RL-0013	0	0	0	0	0	0	8,566	8,566
RL-0030	0	0	0	0	0	0	12,787	12,786
RL-0040	0	0	0	0	0	0	6,891	6,891
RL-0041	0	0	0	0	0	0	10,829	10,829
RL-0042	0	0	0	0	0	0	350	350
Total	0	0	0	0	0	0	74,523	74,523

SELF-PERFORMED WORK

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

Contracts-to-Date Actual Awards & Mods				Projection to FY2018	
Contracts + POs + Pcard -10/1/2008 -9/30/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,062,328,719
				Bal remaining to award =	\$462,154,476
	\$	%	Goal %	Goal award \$	Bal to goal \$
SB	\$1,018,665,542	49.39%	49.30%	\$1,244,570,215	\$225,904,674
SDB	\$176,273,701	8.55%	8.20%	\$207,007,622	\$30,733,921
SWOB	\$198,356,469	9.62%	7.50%	\$189,336,240	(\$9,020,229)
HUB	\$52,248,495	2.53%	2.20%	\$55,538,630	\$3,290,135
VOSB	\$119,268,158	5.78%	3.50%	\$88,356,912	(\$30,911,246)
SDVO	\$56,457,393	2.74%	1.30%	\$32,818,282	(\$23,639,111)
NAB	\$3,635,804	0.18%	N/A	* 10-year subcontracting projection	
Large	\$555,215,600	26.92%	N/A		
GOVT	\$2,083,552	0.10%	N/A	<u>PRC clause H.20 small business (SB) requirement:</u>	
GOVT CONT	\$482,866,522	23.41%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$92,411	0.00%	N/A	Total Contract Price:	\$5,679,329,866
NONPROFIT	\$3,205,075	0.16%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$196,640	0.01%	N/A	SB Awarded:	\$1,018,665,542
Total	\$2,062,328,719	100.00%	N/A	Balance to Requirement:	(\$53,179,464)

Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted over \$2.06B in goods and services with over 49.3% going to small businesses. All subcontracting sub-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. M. Swartz
Vice President for
PFP Closure Project

September 2013
CHPRC-2013-09, 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	0	194 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	- ft.	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	0 ft.	1,153 feet
Pencil Tank Units Removed	-	110 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	1 m ³	39 m ³
TRU/TRU-M Shipped	8 m ³	1,259 m ³
LLW/MLLW Shipped	98 m ³	4,240 m ³

- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is now at 84 percent complete.
- The replacement canyon crane hoist motor was damaged in shipment. The hoist motor was returned to the vendor for repair. The repaired motor is scheduled to be shipped on October 2nd.
- Preparations were completed for canyon entries to replace the hoist motor. Canyon entries are scheduled to resume on October 1st.
- Work resumed on the mechanical isolation of the Miscellaneous Treatment (MT) gloveboxes. The abandoned D-1 drain line, the MT-3 and MT-4 glovebox criticality drain lines were removed and disposed. Removal of the MT-5 glovebox criticality drain line and MT-6 glovebox criticality drain line was initiated.
- Initiated removal of the interferences to access the 3rd floor criticality drain in Plutonium Reclamation Facility (PRF). All of the chemical lines were drained and removed.
- Continued the development of the overall strategy, work packages for entry into 242-Z, and the engineering analysis to support the work packages. One work package of specific interest will result in a substantial increase in air flow within 242-Z, thereby improving contamination control and reducing work risk.

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1	3	<ul style="list-style-type: none"> 9/19/13 – Employee walking to the 234-5Z Building tripped on the asphalt surface falling to the pavement on right arm and wrist, scraping elbow. Employee was referred to orthopedic doctor and was instructed to stay off work for one week. (23170)
Total Recordable Injuries	1	5	<ul style="list-style-type: none"> Description listed above.
First Aid Cases	2	43	<ul style="list-style-type: none"> 9/17/13 – Employee felt pain in right hand radiating up to shoulder. (23168) 9/17/13 – Employee reported routine repetitive use of hand held instruments has led to pain/numbness in the ring and small fingers of left hand. (23169)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Teams continued in the month of September to work on scope to further mitigate potential impacts in the future. Enhanced Maintenance Plan (EMP Rev. 0) implemented September 16, 2013.
- Completed transition of 234-5Z from 291-Z Air Sample Vacuum (ASV) system to portable pumps.
- Aged motor EM-5 in 291-Z declared out-of-service and scheduled for replacement in October.

11.05 Disposition PFP Facility 242-Z

- Continued the development of the overall strategy, work packages for entry into 242-Z, and the engineering analysis to support the work packages.
- One work package of specific interest will result in a substantial increase in air flow within 242-Z, thereby improving contamination control and reducing work risk.

Remote Mechanical A and C Lines (RMA/RMC)

- Rm 235-A2/A3
 - Sealed out waste from HA-10 GB and commenced size-reduction and removal of internal conveyor equipment.
 - Performed blending operation for material from the HA-10 GB and sealed out the resulting waste items.
 - Installed larger seal-out panel on the HA-9A GB mid-level to allow seal out of larger items, which minimizes the need for size reduction and radiological exposure. Completed size reduction and seal-out of the fluorinator clamshell.
 - Approved an increase to the Administrative Control Limit (ACL) for the HA-9A crew. Approval of this extension was predicated on re-sequencing the crew's fieldwork to commence work in lower background areas while a re-evaluation of the HA-9A mid-level D&D work could be completed. The crew moved their work to the lower-dose HA-9A lower-level clean-out effort.
- Rm 227
 - Drilled holes and applied fixative to the two 10-in piping pass-throughs connecting the 227-S and 227-T GBs.
 - Installed radiological confinement device and air-gapped the upper pass-throughs.
- Rm 228-C
 - Removed, size reduced, and sealed out the conveyor equipment in the HC-18BS, H-18M and HC-5A GBs.

Backside Rooms (Rooms 158-172) D&D

- Room 170 GB/Hood D&D
 - Issued BWP for hood D&D work
 - Installed radiological containment sash on the hood
 - Sealed out legacy equipment from hood
 - Wiped down hood internals
 - Isolated the following piping systems for the hood:
 - 26-in vacuum (for both the hood and HC-46F GB)
 - 90 lb process air
 - Process water
 - Limited Bottle Water System (LBWS) fire suppression
 - 17-in vacuum
 - Installed temporary hood mechanical-support system and cut away the metal cabinet under the hood to allow access to hood drain piping

Plutonium Reclamation Facility (PRF)

- Preparations were completed for canyon entries to replace the hoist motor

- The abandoned D-1 drain line, the MT-3 and MT-4, glovebox criticality drain lines were removed and disposed.
- Initiated removal of the MT-5 and MT-6 glovebox criticality drain lines.
- Initiated removal of the interferences to accessing the 3rd floor criticality drain. All of the chemical lines were drained and removed.
- Glove changes were performed on the gallery gloveboxes.
- Vacuuming of the east gallery gloveboxes was performed and the resulting waste sealed out.

MAJOR ISSUES

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

Corrective Action – The replacement hoist motor is scheduled to be shipped on October 2nd. Canyon entries to prepare for the replacement of the motor are scheduled to be initiated on October 1st. In addition to replacing the hoist motor, the cable reel will be inspected for damage, the bad terminal will be bypassed and one of the festoon cable trucks will be adjusted during the canyon entries.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PF0-003: More Extensive Cleanout/Decon Required	Project Managers developed a detailed process facility characterization plan into the field execution schedule for the FY2014 PMB Update. Integrating the characterization activities into the field execution schedule provides an opportunity to avoid project schedule impact; however, cost impacts remain. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition).			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. 243-ZA characterization is complete pending final reports. Work is continuing in A-Labs and work packages are being worked in 234-5Z duct level. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PF0-004, Risk of PRF Canyon D&D cost/schedule growth	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination. Planning is under way to develop alternate means to perform tasks that require extensive crane usage.			Due to the number of failures to the crane, a new motor has been procured and is expected to be delivered in October. Konecranes (crane vendor) is fabricating a supporting shaft, and it will be placed in spares to mitigate future impacts associated with the shaft. In addition, planning efforts continue to develop a plan to install the new motor on arrival.
PF0-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. Add addition controls to monitor and protect exhaust fans from failure. Continue to communicate with DOE to discuss risk acceptance on Fan repairs / Filter replacements.			Teams continued in the month of August to work on scope to further mitigate potential impacts in the future (Rev.0). JCO was also submitted to DOE, in May, and discussions are still pending on future mitigation effort (Rev.1). The decision was made not to perform filter replacements on 309 filters, but work packages will be in place to work the filter replacements in the event of a 310 failure.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
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.			234-5Z - Planning is complete on the disposition path for the section of piping that was discovered to have higher than expected material holdup in room 264. Waste will be addressed as planned with little to no impacts to D&D work when work resumes in the duct level. 291-Z - High gram piping was found in 291-Z that will require special handling. The scope is planned in the out years and will be marked as a known line to contain hold up.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13. Investigation completed in the month of March. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers.
PFP-014: Unexpected Chemicals/Chemical Residuals or Hazardous Materials Are Discovered at PFP	Conduct wall-to-wall waste identification walk downs, fill out waste identification forms (WIF) and issue WIF reports. Continue planned sampling and identification of areas and equipment with lower confidence levels. Develop a chemical mitigation response team to: perform Ultra Sonic testing to identify all chemical lines with suspect or know quantities of Chemicals, and empty all remaining chemical lines throughout the plant including lines located in PRF			PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Impacts from the high concentration acid discovered in 234-5Z caused the deployment of a chemical response team to identify and drain process lines where appropriate. The reassignment of this team suspended field work for MT mechanical isolation activities until chemical liquids are characterized, and or drained. In addition management stopped work for chemical lines in the duct level, and all work packages associated with breaching of chemical lines throughout the plant are starting to be lifted.
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.			Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
PRC-024 - Bargaining Unit Strike or Work Stoppage	Additional FWS have been hired and returned to the 8x9 shifts to ensure ability to get 2 dives a day when executing fresh air jobs.			On 11/29/12, the economic package was delivered to HAMTC as part of the collective bargaining agreement (CBA) negotiation. Since that date, the project has been impacted by various bargaining unit employee actions (e.g., overtime turn down, upgraded employees' request to return to tools). The request for upgraded employees to return back to "hands on tools" primarily impacts near-term scope in RMA/RMC.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations continue to extend respiratory protection time. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning continues with a special project team to implement actions to accomplish the new vision for the D&D path forward.
PRC-061 – FY2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			A FY2013 Sequestration impact letter was issued to DOE on August 26. Sequestration impacts have been implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

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	-19.9	9.4	9.5	29.3	-147.3%	(0.1)	-1.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (+\$29.3M/-147.3%)

Current Month schedule variance is due to implementation of the FY2014 PMB Update directing the PFP project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment. Partially offset by continuation of unplanned PRF crane repairs.

CM Cost Variance: (-\$0.1M/-1.1%)

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	621.5	613.9	641.8	(7.5)	-1.2%	(27.9)	-4.6%	934.9	971.7	(36.8)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$7.5M/-1.2%)

Schedule variance is associated with implementation of the FY2014 PMB Update in September, 2013 which directed the PFP project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment. Partially offset by continuation of unplanned PRF crane repairs, and impacts from responses to contamination events, issues and delays associated with the transition of RMA/RMC to a permanent HCA/ARA area.

CTD Cost Variance (-\$27.9M/-4.6%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$36.8M/-3.9%)

The variance at completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and prior year unrecoverable costs. The project is advancing a strategic path forward to achieve the slab-on-grade completion date of 2016.

Estimate at Completion (EAC)

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

The EAC changes from August to September are a result of re-planning remaining work-scope to get the PFP Project to Slab on Grade by September 2016.

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	114.0	106.2	7.8

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

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

Baseline Change Requests

BCR-011-13-004R1 – *Transfer Waste Disposition BCWS values for RL-011.R1/C1 to Non-Capital Asset Control Account*

BCR-PRC-13-008R1 – *FY2014 CHPRC PMB Annual Update*

MILESTONE STATUS

None identified at this time.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- Reviewed the proposed dispositions to 180 Preliminary Documented Safety Analysis (PDSA) comments with RL. Agreement reached on approximately 170 of the comments and agreement was reached on the revisions required to finalize disposition of the remaining 10. Work continuing on revising the PDSA and supporting documents to incorporate the dispositions.
- RL chartered an Independent Project Review (IPR) of the Engineered Container Retrieval and Transport System (ECRTS) Critical Decision (CD)-2/3 design package as part of their review and approval process. The team reviewed the CD-2/3 report and the final design, along with supporting documents, and conducted their on-site review.
- Integrated Process Optimization Demonstration (IPOD)
 - o Installed booster pump reduced pressure rupture disk and pressure transmitter 100 feet downstream of the booster pump discharge.
 - o Installed linebacker gaskets on Sludge Transfer Storage Cask (STSC) A and B ports and reinstalled settler core.
 - o Continued with retrieval skid and decant system set-up.
 - o Continued fabrication of control system multiplexer panels.
 - o Continued multiplexer panel fabrication; one panel out for UL508A inspection and labeling, four ready for inspection, five in fabrication status.
 - o Continued execution of IPOD ventilation balancing test procedure scope.
 - o Added passive hydrogen mitigation dispersion airflow characteristics monitoring test scope (TDR-011).
- Several transfer system hose-in-hose spool pieces necessary to complete Annex Construction are in the final stages of fabrication. CHPRC Engineering and Quality Assurance personnel will travel to the supplier's facility in late October 2013 to conduct commercial grade dedication inspections and testing activities.
- The test procedure (PRC-STP-PR-00837) for K West garnet filter media testing was approved and issued. The work package was completed and testing is ready to start to explore and develop viable options for retrieval of the garnet filter media and filtered fines from the filter vessels.
- K West Annex Construction
 - o Completed the mobilization of project staff to 100K to support construction.
 - o Continued erection of forms and installing embeds, block outs, and penetrations for the loading bay walls, and installed the 20" penetrations on the south wall.
 - o Completed installation of embeds and block outs on the north, east and west walls.
 - o Started installing the bulkhead and stay form material.
 - o Field embed/block out and rebar inspections are ongoing.
 - o Installation of embeds on south and east wall outer concrete forms is approximately 55% complete.
 - o Ironworkers continued rebar installation for the building columns and loading bay walls with primary focus on U bars, trim bars, and hairpins on the south wall and wrapping the column corner on the southwest column and continuing around installing vertical and horizontal bars on the west wall.
- K West in-basin construction completed the demolition of the grout pads on September 25, 2013 and removed all residual waste. This completes the in-basin construction work planned for FY2013.
- Cold Vacuum Drying Facility Final Phase Management Assessment is complete.
- The CY2011 annual update implementation of the K West Basin Safety Basis is complete, management assessment was completed and Independent Verification Review (IVR)/Plant Review Committee (PRC) meeting was held.

- Validated and documented performance of the Extent of Condition for the fuel fragments located in K West Basin during sludge depth measurements and closed the applicable corrective action.
 - o Submitted approved Revision 1 of the Formality of Operations Improvement Plan (CHPRC-02021) for publication. This revision updates the schedule of activities considering the resource limitations due to sequestration and priority changes.
 - o Completed the management assessment associated with the implementation of the 2011 Safety Analysis Report (SAR) update for 105KW Operations. No issues were identified that would prevent implementation. One issue was identified regarding the flow down of sludge controls from PS-803 to OP-70-140W.
 - o The revision to the Fire Protection Program for 100K Area was released. This eliminates the combustible controls in 142K, which will allow maintenance shop activities in the bays. The new occupancy permit was issued on September 18, 2013.

EMS OBJECTIVES AND TARGET STATUS

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

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	2	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	0	10	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- RL chartered IPR of the ECRTS CD-2/3 Design package was held as part of their review and approval process.
- The test procedure (PRC-STP-PR-00837) for K West garnet filter media testing was approved and issued.
- K West Annex Construction
 - o Completed the mobilization of project staff to 100K to support construction.
 - o Completed installation of embeds and block outs on the north, east, and west walls.
- K West in-basin construction completed the demolition of the grout pads on September 25, 2013 and removed all residual waste. This completes the in-basin construction work planned for FY2013.
- Cold Vacuum Drying Facility Final Phase Management Assessment is complete.
- The CY2011 annual update implementation of the K West Basin Safety Basis is complete, management assessment was completed, and IVR/PRC meeting was held.
- Validated and documented performance of the Extent of Condition for the fuel fragments located in K West Basin during sludge depth measurements and closed the applicable corrective action.
- Completed the management assessment associated with the implementation of the 2011 SAR update for 105KW Operations.
- Released the revision to the Fire Protection Program for 100K Area. Issued the new occupancy permit on September 18, 2013.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0012/WBS 012				
STP-002: STP Uncertainties	The majority of the risk mitigation strategy has been completed; only IPOD and cold commissioning runs with final design and production hardware remains prior to installation in the basin. The project has utilized bounding design parameters to limit control systems to the extent practicable. Testing of integrated components/systems will ensure technologies are transferable to the basin application/environment. Demonstrated TRL-4 at CD-0/1 and TRL-6 at CD-2/3.			CD-2/3 package submitted to DOE for review/approval.
STP-067A: Safety Significant Components STP-067B – OPPORTUNITY: Safety Classification of SSC’s	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with DOE to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA will be formally submitted to RL in July of 2013. Early procurements of SSC’s may be initiated at a higher safety/quality level.			Continuing to evaluate strategies reduce SSC Safety Classification for out-year procurements.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.			In negotiations with FE&C for revised contracting strategy. Continuing to address past performance and sequestration impacts.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews have been completed, the constructability review is in progress and will complete in FY2013, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a stream-lined approach for handling contractor submittals and RCIs.			Constructability Review comments being incorporated into the Design.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC is proceeding with contract strategy for the Annex Construction.			Contracting strategy was incorporated in CD-2/3 Submittal.
STP-111; Basin & T-Plant Contractor/Subcontractor Performance	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Utilize suspended subcontractors to minimize potential for procedural issues. Retrain construction personnel on procedures for performing construction activities. Include in baseline budget to cover additional management oversight support for construction, planning, safety and project management to accommodate the potential impacts.			Reflected revised contracting strategy for CD-2/3 Submittal
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self- imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Cost performance index is below the target of 1.04.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	(9.6)	6.1	9.6	15.7	-163.9%	(3.5)	-57.5%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (\$15.7M/-163.9%)

The current month variance is the result of implementing the FY2014 PMB update in the month of September and realizing the corresponding point adjustment associated with incorporating the FY2013 schedule impacts from Sequestration into the baseline.

CM Cost Performance (-\$3.5M/-57.5%)

The current month variance is the result of implementing the FY2014 PMB update in the month of September and realizing the corresponding point adjustment associated with incorporating the FY2013 schedule impacts from Sequestration into the baseline.

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	382.3	382.3	390.5	(0.0)	-0.0%	(8.2)	-2.1%	688.4	696.6	(8.2)

Numbers are rounded to the nearest \$0.1M

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

Variance is within reporting thresholds.

CTD Cost Performance (-\$8.2M/-2.1%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

The current EAC reflects the newly implemented FY14 PMB update.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	65.3	61.2	4.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover, FY2013 new Budget Authority and the transfer of ~\$3M in funds to this control point to allow for sufficient carryover funds in the start of FY2014 to ensure RL-12 has operating funds until the Federal Budget is approved or a Continuing Resolution is resolved.

Critical Path Schedule

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

Baseline Change Requests

BCR-PRC-13-008R1 – *FY2014 CHPRC PMB Annual Update*

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) completed a shipment of high chromium drums to PermaFix Northwest (PFNW) and continued processing Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) exceeding Key Performance Goal (KPG) of 7M gallons (7.59M gallons FYTD). LEF received (calendar year [CY]) 70 tankers, 360k gallons. Central Waste Complex (CWC) shipped two retrieval boxes to PFNW from outside storage area (over 50m³). Projects completed routine surveillances.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	3	34	<ul style="list-style-type: none"> 9/6/13 – Employee was in an awkward position attempting to tighten a bolt. Body part affected: Lower back (23164) 9/12/13 – Employee reported exposure to dust from roof grinding that caused various symptoms. Body part affected: Lungs & Eyes (23166) 9/12/13 – Employee reported exposure to dust from roof grinding that caused various symptoms. Body part affected: Lungs & Eyes (23167)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

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

13.02 Capsule Storage & Disposition

- Waste Encapsulation and Storage Facility (WESF) roof repairs ongoing
 - Removed degraded roofing material and prepped for installation of new material
- Continued with 10-ton crane brake repairs

13.03 Canister Storage Building (CSB)

- Completed:
 - 12-month sample of Multi-Canister Overpack (MCO) H-402

- o Annual Gaseous Effluent Monitoring System (GEMS)-100 stack converter and flow loop calibration
- o Quarterly GEMS-100 functional tests
- o Repairs to south vestibule rolling gate hydraulic accumulators
- o Replacement of MCO Handling Machine (MHM) maintenance pit handrails
- o Five-year electrical switchgear inspections
- o Annual and quarterly fire barrier/vault door maintenance
- o MCO sample cart helium pressure indicator PI-730 calibration
- o 30 and 90 day fire water storage tank inspections

13.07 Waste Receiving and Processing Facility (WRAP)

- Completed annual flow transmitter calibrations for process area and glovebox exhaust
- Exceeded nondestructive examination x-ray tubes
- Completed:
 - o 25 Technical Safety Requirement (TSR) surveillances
 - o 21 Preventive Maintenance (PM) packages
 - o 95 Radiological (Rad) surveillances
 - o 57 Operational surveillances

13.08 T Plant

- Completed:
 - o Annual National Emissions Standards for Hazardous Air Pollutants (NESHAPS) inspection of stack probe and sample lines for 291-T
 - o Seven TSR surveillances
 - o 376 Rad surveillances
 - o 37 PM packages
 - o 257 Operational surveillances
- Shipments:
 - o Shipped four containers from T Plant to Centralized Consolidation/Recycling Center (CCRC)

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

- Completed:
 - o Drum closure activities for two drums containing tritium exit signs
 - o Groomed (graded, watered and rolled) ramps at Trenches 31 and 34 to support heavy equipment operations
 - o Tank integrity testing on trench 31/34 Tank Leachate collection tanks
 - o Two TSR surveillances
 - o 29 PM packages
 - o 224 Rad surveillances
 - o 77 Operational surveillances
- Shipments:
 - o Shipped two retrieval boxes to PermaFix Northwest (PFNW) from outside storage area (over 50m³)
 - o Received one shipment of Transuranic (TRU) waste at CWC from PFWN totaling one standard waste box (SWB) size reduced PFP gloveboxes
 - o Received one shipment consisting of a rad empty waste box from PFWN to CWC
 - o Received three shipments of TRU waste totaling thirty-one (31) waste packages (i.e., drums and SWBs) to the CWC from Plutonium Finishing Plant (PFP)
 - o Shipped two drums of tritium exit signs from CWC to Environmental Restoration Disposal Facility (ERDF)

13.11 Liquid Effluent Facilities (LEF)

- Replaced failed flow totalizer instrumentation on Basin 43 which completes repair/upgrades to all three basins

- Completed shipment of high chromium drums to PermaFix Northwest
- ETF processing gallons:
 - o 7.59M gallons FYTD
- Received 70 tankers:
 - o 360k gallons CY
- Treated effluent to State-Approved Land Disposal Site:
 - o 0.7M gallons (7.4M CY)
- Discharged to 200A Treated Effluent Disposal Facility (TEDF):
 - o 3.36M gallons (20.6M CY)

Liquid Effluent Retention Facility (LERF) Basin activities

- **All Basins**
 - o Continued with surveys/posting verification activities
 - o Completed monthly inspections with no cover breaches identified
- **Basin 44:**
 - o Completed vegetation removal
 - o Completed water removal
- **Basin 43**
 - o Completed water removal
- **Basin 42:**
 - o Completed vegetation removal
 - o Completed water removal

13.12 Integrated Disposal Facility

- Completed required monthly, quarterly and annual calibrations and inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed one TSR surveillance
- Completed 20 Rad surveillances
- Completed five Operational surveillances
- Shipments
 - o Received three shipments of Mixed low-level waste (M/LLW) totaling four waste packages (i.e., drums and boxes) from PFNW and disposed into Trench 31

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			Agreed Order impacts from EPA and Ecology are being addressed. Submitted Change Proposal to DOE to address Agreed Order actions.
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. Completed shipment to commercial treatment facility of additional waste containers.
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			Continuing to address biological contamination at LERF and Trench 94.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. Identifying containers for covering in FY2014
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> • Continue to sample and monitor area. LERF cover cleaning and inspection continuing. • Leak was discovered on the Heat Exchanger and system shut down. Heat Exchanger may need replacement in FY2014. • Continuing to experience greater than planned maintenance at ETF and LERF. • Continued WESF roof replacement.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			<ul style="list-style-type: none"> • Working with RL on Agreed Order • Submitted Change Proposal to DOE to address Agreed Order actions
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Cost Performance for FYTD less than planned. Emerging issues/realized risks offsetting planned efficiencies.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	8.5	9.8	9.4	1.3	15.9%	0.4	4.5%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$1.3M/+15.9%)

The current period schedule variance reflects implementation of FY14 PMB update which rephased work scope per DOE direction (e.g. deferral of T Plant ramp up to FY2015) consistent with the Baseline Update Guidance and sequestration impacts, and the completion of FY2010 activity for CSB DSA development.

CM Cost Performance (+\$0.4M/+4.5%)

The favorable current period cost variance is within threshold.

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	789.3	789.5	771.7	0.1	0.0%	17.8	2.3%	1,324.6	1,254.7	69.9

Numbers are rounded to the nearest \$0.1M

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

The favorable schedule variance is within threshold.

CTD Cost Performance (+\$17.8M/+2.3%)

The favorable cost variance is within reporting threshold.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The change in EAC from August to September is primarily due to inclusion of planned efficiencies in FY2014 through FY2018.

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	84.7	78.4	6.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-008R1 – *FY2014 CHPRC PMB Annual Update*

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



R. S. Popielarczyk
Vice President and
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Soil and Groundwater
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Vice President for
Environmental Program
and Strategic Planning

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

- 20.0M gallons groundwater treated by KX treatment facility
- 10.11M gallons groundwater treated by KW treatment facility
- 11.1M gallons groundwater treated by KR-4 treatment facility
- 25.2M gallons groundwater treated by HX treatment facility
- 25.3M gallons groundwater treated by DX treatment facility
- 52.2M gallon groundwater treated by 200W treatment facility
- 143.9M gallons of groundwater treated total

Sampling	September	FY2013 Cumulative
Well Sampling Events	129	2120
Aquifer Tube Sampling Events	24	479
Total Number of Sampling Events	153	2599
Samples Collected	606	9561
Analyses Performed	1086	20289

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB2-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Establish a baseline for air emissions at the 200 West Pump and Treat Facility.	10/30/13	On schedule
		A tabulation of emissions, in mass (pounds, kilograms, milligrams, etc.) per year, for constituents of concern (i.e. all constituents analyzed for during quarterly sampling events). Progress will be reported at 25% increments.	Quarterly	Progress at 75%
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	Complete
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	1.89B Gallons treated through 9/30/13
13-EMS-SGWR-OB4-T1	Improve worker awareness of the CHPRC Environmental Management System (EMS)	Provide CHPRC EMS worker awareness training to S&GRP staff, to include: CHPRC Environmental Policy, each person's role in the EMS, S&GRP contributions to the EMS, and identification of key CHPRC programmatic and project environmental points-of-contact.	9/30/13	Complete

Objective #	Objective	Target	Due Date	Status
		Presentation material and training/class attendance sheets, submitted to EP Director at end of each quarter. Progress reported at 25% increments.	Quarterly	Complete
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	Complete
		This target will be met upon completion of the proposed actions. Progress will be tracked based on 50% for each completed action.	Monthly	Complete
13-EMS-SGWR-OB6-T1	Maximize the acquisition and use of environmentally preferable products.	Evaluate S&GRP chemical inventory and identify candidates for substitution (toxicity reduction) and choose one chemical for evaluation, based on chemical user input.	3/15/13	100% Complete
		Purchase minimum amount of chemical needed for evaluation and ask users to assess product's viability as an adequate substitute.	9/30/13	Complete

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	20	9/23/2013 - As employee was standing up from picking up a form clamp, he then turned his body and came into contact with a 2x4 (which was approximately 4' above the ground) that was placed in the rebar column. The contact was to the right ear and head area. Employee was seen at HPMC, treated with a cold pack and returned to work without restrictions. PTS (23173)
Near-Misses	0	3	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations RL 30 Integration & Assessments

Strategic Integration

- Initiated interface with Washington State Department of Ecology in support of the integration of the US Ecology Closure Plan with strategies for Central Plateau closure.

Technical Integration

- TC&WM EIS Model Transition – Received two requested Macintosh computers from ORP to support completion of TC&WM EIS model transition activities.
- Site Wide Models Development – Developing a strategy and defining tasks for developing the TC&WM EIS groundwater modeling capability to become the Hanford Site Groundwater (HSGW) Model. The HSGW Model will provide a common groundwater flow platform to support several scale appropriate groundwater transport models.

DOE O 435.1 Assessments

- Waste Management Area C Performance Assessment (WMA C PA) (Work for WRPS/ORP) – Provided an overview of modeling approach and consistency with TC&WM EIS modeling to WRPS, ORP, RL, Ecology, NRC, Oregon, tribal nations, and other stakeholders.
- Low-Level Federal Review Group (LFRG) Semi-Annual Meeting – Provided status of all Hanford Site Performance Assessments and Composite Analysis for LFRG's October semi-annual meeting.

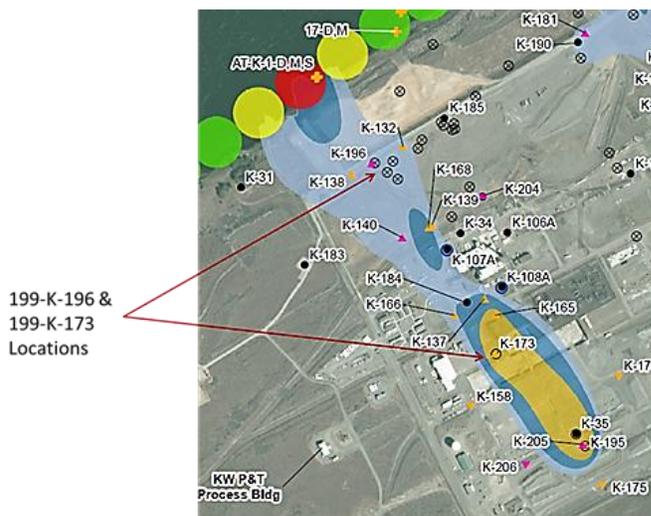
River Corridor

100-F/IU Operable Unit

- Delivered the Rev 0 Proposed Plan (DOE-RL-2012-41) to RL on September 24, 2013.
- Resolved RL and EPA comments on the Rev 0 RI/FS (DOE-RL-2010-98).

100-KR-4 Operable Unit

- Removed 3.4 kg of Cr (VI) from the KW, KX, and KR4 pump-and-treat systems.
- Connected two new extraction wells (199-K-140 and 199-K-196) to the KW pump-and-treat system.
- Completed drilling two wells (199-K-202 and 100-K-205).
- Resolved RL and EPA comments on Well Installation SAP, Addendum 2 (DOE/RL-2013-36).
- Submitted 100-KR-4 OU RD/RA WP (DOE/RL-2013-33), Decisional Draft, for RL review on September 30, 2013.
- Realized an upset condition during operational testing of wells 199-K-196/WE9 and 199-K-173/WE10. On September 17, 2013, engineering completed troubleshooting and determined that, while the extraction well pumps were off, both wells were functioning as a siphon draining off influent tank water back into the extraction wells. The valves were immediately turned off at that time. It is estimated that 600,000 gallons of influent tank water (~25 µg/l Cr) drained into the two wells (445,000 gallons at 199-K-173/WE10 and 145,000 at 199-K-196/WE9). Proper notifications were made and corrective actions implemented.



100-HR-3 Operable Unit

- Removed 23 kg of Cr(VI) from the DX and HX pump-and-treat systems
- Resolved RL, EPA, and Ecology comments on the 100-HR-3 Well Installation SAP, Addendum 2 (DOE/RL-2013-35).
- Completed initial well development on four wells (199-H4-91, 199-H4-90, 199-D5-154, and 199-D5-154).
- Submitted 100-HR-3 OU RD/RAWP (DOE/RL-2013-31), Decisional Draft, for RL review on September 30, 2013.

100-BC-5 Operable Unit

- Mobilization for the drilling of monitoring wells and the installation of aquifer tubes continued.
- Specialized sampling for stable isotopes of chromium was completed and the samples sent to Lawrence Berkley National Labs for analysis. Results will be used to determine if the pilot study will be beneficial in the evaluation of natural attenuation processes at 100-BC-5, specifically reduction of Cr (VI) in the aquifer.

Central Plateau**200 West Pump and Treat**

- Removed 187 kg of carbon tetrachloride and 3,839 kg of nitrate as N (or 16,994 kg of nitrate as NO₃).
- Average pumping rate for September was 1,216 gpm.
- Effluent concentration remains below cleanup levels specified in Record of Decision (ROD).
- Main plant stack sampling showed no detections of Volatile Organic Compounds (VOCs) or hexavalent chromium.
- Operational Test Procedure was completed.
- An unplanned shutdown occurred on September 24, 2013 due to a temporary loss of communication; the plant was re-started four hours later.

200-UP-1 Operable Unit

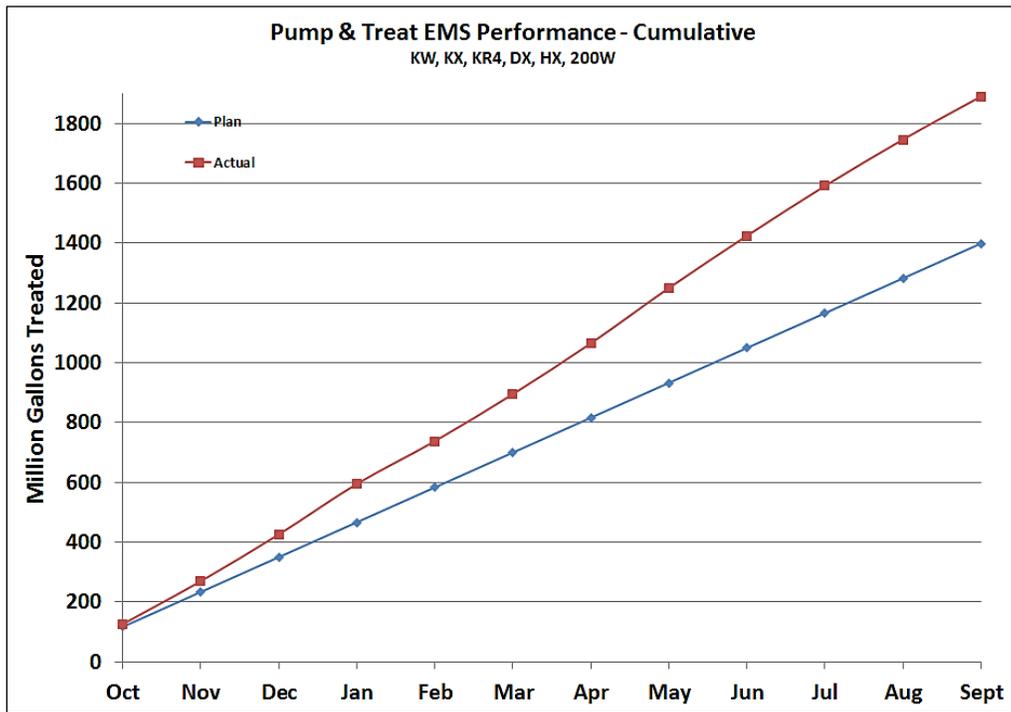
- The 200-UP-1 RD/RA WP, Rev. 0, (DOE/RL-2013-07) was issued September 25, 2013.

200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 6,051 gallons during the month of September, bringing the total volume of perched water removed to 157,470 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of September:

Contaminant	September	Cumulative (since startup)
Tc-99	8E-04 Ci	18.8E-03 Ci
Uranium	1.4 kilograms	24.7 kilograms
Nitrates	10.9 kilograms	329.9 kilograms

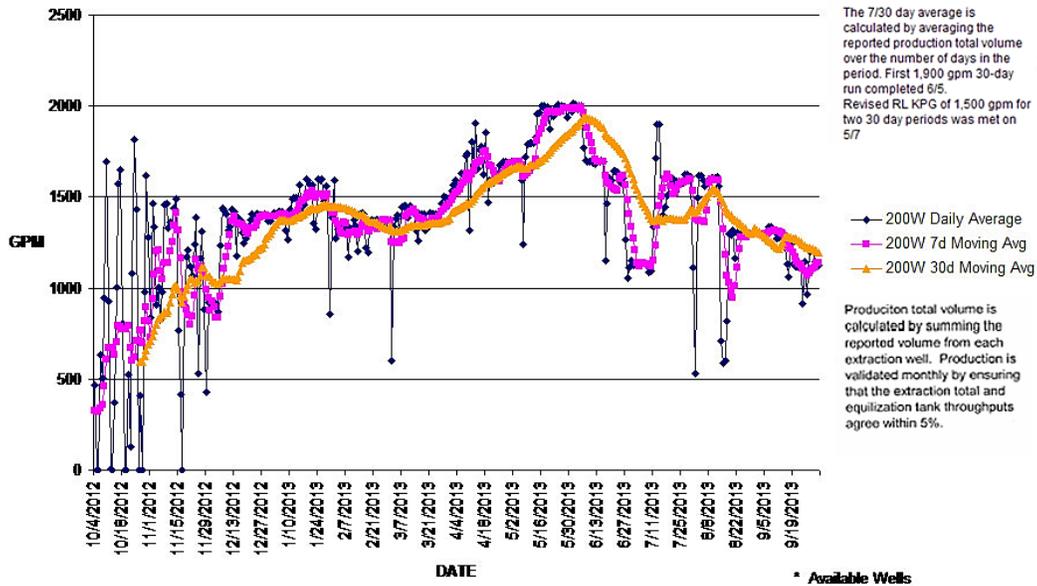
Pump and Treat Operations – FY2013



200 West Pump and Treat Operations

2W EXTRACTION WELLS AVERAGE DAILY FLOW RATES
 Current GPM = 1124 Capacity = 1124 / 2100 = 54% *
 30d Average GPM = 1197 Capacity = 1197 / 2100 = 57% *

Data validated thru last completed month;



MAJOR ISSUES

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

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

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

Status –

- K-East Reactor: Data Quality Objectives (DQO) complete; resolving RL comments on sampling instructions. Awaiting notice to proceed for field activities.
- 100-K-111 & -64: Field work complete.
- 118-K-1: No additional efforts at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0030/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.			Recent interactions with the State Department of Ecology show progress on a few issues such as the use of STOMP for groundwater protection on the River Corridor, the toxicity evaluation of hexavalent chromium, and the use of ARARs in the Baseline Risk Assessment. Remaining issues include: (1) Ecological PRGs and the use of the SMDP in ecological risk assessment, (2) details on the calculation of EPCs in the vadose zone, and (3) the use of alternative statistics (90th percentile) for groundwater EPC calculation. Significant progress has been made and agreement appears to be near for each of these items.
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 Contract Modification.			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary.
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 a Contract Modification.			EPA concurred that need for pump and treat will be evaluated as part of RI/FS process. The draft feasibility study has evaluated P&T as viable in two alternatives. The recommended preferred remedy is MNA. The Draft A RI/FS has been reviewed by the Regulators and there is preliminary agreement with the preferred remedy. The Proposed Plan is expected to go out for public review in January of 2014.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0030/WBS 030				
SGW-157: Transfer of EIS Tank Waste Model	CHPRC does not maintain or have contractual responsibility for the development of the Tank Waste EIS data system. CHPRC will work with DOE to transfer the EIS technology document complete with electronic appendices.	●	↔	Received two requested Apple Macintosh computers.
SGW-158: Phase-I Tank Waste EIS Model Transition	CHPRC developed a two-phase test plan to enable the TC&WM EIS Model to be transferred from ORP/WRPS to RL/CHPRC to 1) be placed under configuration control and demonstrate that key EIS cases can be rerun and results are consistent, and 2) be revised and updated for additional uses in support of the Hanford Site mission. Additional analysis will be at the request of the Contracting Officer.	●	↔	Received two requested Apple Macintosh computers.
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Installation of additional injection wells and extraction wells to achieve the targeted 2,000 gpm pumping rates have been impacted by the sequestration. Only 4 of 8 wells planned to be drilled in FY2013 have now been installed. Only one of the newly installed wells (an injection well) will be hooked up prior to the end of FY2013.	●	↓	The extraction/injection well network that is currently on line has successfully provided sufficient flow rates to achieve an average pumping rate of >1,500 gpm for two 30 day periods to meet a draft FY2013 performance incentive. However, a manganese oxide precipitate and bio-fouling found coating the inside of injection well screens and transfer lines is now negatively impacting pumping rates.
SGW-156,100K Groundwater Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units. Well installation may be prioritized across the Soil and Ground water project within the current funding authorization. Well installation prioritization will be a joint effort between CHRPC and DOE.	●	↔	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 operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.	●	↔	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues associated with construction risks. OTP was completed in FY2013.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↑	Agreement was reached on the final contract price for AFC. One Long-Lead CHPRC initiated procurement remains.
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 September remains above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↔	Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope will carry forward into FY2014. Work was replanned into FY2014 PMB update and implemented in September.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
RL-0030.O1 RL 30 (Operations)	1.3	10.6	10.8	9.3	701	(0.2)	-1.8
RL-0030.R1.1 Cleanup Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	<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	1.3	10.6	10.8	9.3	701	(0.2)	-1.8

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (+\$9.3M/701%)

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

RL-0030.O1 RL 30 Operations (\$9.3M/701%)

Activities that have been delayed over the last several months were re-planned in FY2014 as part of the PMB update BCR. This resulted in a point adjustment and positive schedule variance for the month. The unfinished work scope was re-planned in FY2014.

Drilling (+\$5.6M) Well drilling activities for BC-5, KR-4, HR-3, ZP-1, and M-24.

GW Monitoring and Performance Assessments (+\$1.2M) Geophysical logging activities associated with the BC-5, KR-4, HR-3, ZP-1, and M-24 well drilling.

100-BC-5 Operable Unit (+\$0.4M) Sampling and Analysis activities associated with the BC-5, KR-4, HR-3, ZP-1, and M-24 well drilling.

100-KR-4 Operable Unit (+\$0.8M) CERCLA Documents and Monitoring and Reporting.

100-HR-3 Operable Unit (+\$0.5M) CERCLA Documents and Monitoring and Reporting.

300-FF-5 Operable Unit (+\$0.4M) Decision Document development.

CM Cost Performance (-\$0.2M/-1.8%)

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

RL-0030.O1 RL 30 Operations (-\$0.2M/-1.8%)

Project Management (-\$0.3M)

The current month negative cost variance is a result of a correction of performance taken in prior months for the Nuclear Safety and Performance Evaluation Board (NSPEB) scope of work in project management. Due to sequestration the NSPEB scope was not completed. There is no impact as this is a correction in the current month and the year-to-date cost variance for the NSPEB is zero.

GW Monitoring & Performance Assessments (+\$1.4M)

With the carryover of well drilling activities into FY14, the geophysical logging scope for FY2013 was stauted as complete as all geophysical logging requirements (including carryover workscope) were already re-planned in FY2014. As a result, the BCWP in September for geophysical logging was greater than the cost resulting in the current month positive cost variance. This current month underrun is not expected to continue into FY2014.

200-ZP-1 Operable Unit (-\$1.2M)

Significant repair work was performed to the P&T facility including subcontracted support to enlarge HDPE piping in support of higher flow rates and general purchase and labor for repair of leaks and replacement of equipment. Also, several large year-end purchases for Purolite resin and concrete pad installations occurred during the month.

Contract-to-Date (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
RL-0030.C1 GW Remedy Implement	73.4	73.4	87.0	(0.0)	-0.0	(13.7)	-18.6	73.4	87.0	(13.7)
RL-0030.O1 RL 30 (Operations)	564.0	562.7	547.3	(1.3)	-0.2	15.3	2.7	1,139.5	1,136.2	3.3
RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.4	0.0	0.0	0.6	0.3	175.0	174.4	0.6
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	904.5	903.2	898.3	(1.3)	-0.1	4.9	0.5	1,480.0	1,487.1	(7.1)

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$1.3M/-0.1%) – Schedule performance is within reporting thresholds.

RL-0030.O1 RL 30 Operations (-\$1.3M/-0.2%) – All Schedule variances are within thresholds.

CTD Cost Performance (+\$4.9M/+0.5%) – Cost performance is within reporting thresholds. Variances that exceed threshold are primarily the result of prior year activity that has been previously reported:

RL-0030.C1 GW Remedy Implement (-\$13.7M/-18.6%)

200-ZP-1 Operable Unit (-\$13.7M)

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

RL-0030.O1 RL 30 Operations (+\$15.4M/+2.7%)

Integration and Assessments (+\$6.7M)

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

Drilling (-\$2.8M)

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

Project Management (+\$3.7M)

CTD underruns are a result of efficiencies and savings that have been achieved in labor, contracts, and materials over the entire contract period.

Integrated Field Work (+\$3.3M)

Efficiencies have been obtained by reducing subcontracts, reducing the number of cell phones, returning rentals, and loaning labor to other projects for better utilization of personnel.

100-KR-4 Operable Unit (+\$3.5M)

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

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

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

200-PW-1 Operable Unit (+\$2.6M)

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

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

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

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

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

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

Drilling (+\$2.4M)

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

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

Regulatory Decisions and Closure Integration (+\$0.3M)

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

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	93.5	87.5	6.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

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

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-008R1 *FY2014 CHPRC PMB Annual Update*

FY2013 Management Reserve (Funded): \$0.3M

No Management Reserve was used during September.

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant achievements in project execution. Enforceable TPA milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key activities. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of TPA enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-77	Install additional aquifer tubes as specified in revised 100-BC-1, 2 and 5 RI/FS Work Plan/SAP	TPA	11/30/13		11/30/13	On Schedule
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr. FY2013 Burial Ground Sample Results	TPA	12/15/13		12/15/13	On Schedule
M-015-76	Install additional wells monitoring network as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/14		2/28/14	On Schedule. M-15-13-01 extended due date to 2/28/2014.
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			13-AMRP-0136 notified Regulators of Sequestration impacts. Forecast Under Negotiation. BUG directed work be replanned in FY2016.
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			13-AMRP-0136 notified Regulators of Sequestration impacts. Forecast Under Negotiation. BUG directed work be replanned in FY2016.
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr. FY2014 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14		6/1/14	On Schedule
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr. FY2014 Burial Ground Sample Results	TPA	6/15/14		6/15/14	On Schedule
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14		6/30/14	On Schedule
M-024-65-T01	Conclude Discussions of Well Commitments	TPA	8/1/14		8/1/14	On Schedule
M-091-40L-043	PMM Submittal Apr-Jun 3rd Qtr. FY2014 Burial Ground Sample Results	TPA	9/15/14		9/15/14	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



L. T. Blackford
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September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (weed spraying), conducted 118 radiological facility surveillances, completed 30 preventive maintenance (PM) activities, and annual Plutonium Uranium Extraction Plant (PUREX) surveillance.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	1	<ul style="list-style-type: none"> 9/30/13 Employee was changing a sign when a gust of wind blew it into the employee's face. Body part affected: Face (23176)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Performed Waste Information Data Systems (WIDS) waste site housekeeping (weed spraying).
- Conducted 200 West/East tri-annual surveillances and quarterly treatment, storage, and disposal (TSD) sites waste surveillances.
- Completed the following:
 - o 118 radiological facility surveillances
 - o 30 preventive maintenance (PM) activities
 - o Plutonium Uranium Extraction Plant (PUREX) annual surveillance
 - o Annual National Emissions Standards for Hazardous Air Pollutants (NESHAPS) inspections at PUREX and B Plant
 - o WIDS Presumed Asbestos Containing Material (PACM) waste site surveillances

MAJOR ISSUES

Issue – The out board sleeve bearing for the P-28 fire pump has seized and is not turning with the shaft resulting in a 400 Area Fire System impairment.

Corrective Action – Remove the pump, rebuild/replace the bearing at the shop, and then reinstall the pump. Field work is expected to take approximately four days.

Status – Work package preparation is in progress and all materials have been received. Work will be scheduled once package is complete.

Issue – Biological hazards at the 440 pad which stores universal waste and a variety of chemicals.

Corrective Action – Relocate material to a different location.

Status – Currently evaluating alternate storage locations at FFTF.

Issue – An abundance of contaminated tumbleweeds, compared to years in past, has been discovered.

Corrective Action – Work with MSA to provide support to spray herbicide applications to prevent loose, contaminated tumbleweeds.

Status – CHPRC provides support to MSA Tumbleweed Control group when they are available.

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

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.1	1.2	0.9	0.1	7.7%	0.3	28.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (+\$0.1M/+7.7%)

Variance is within threshold.

CM Cost Performance: (+\$0.3M/+28.4%)

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	376.2	376.2	347.1	(0.0)	-0.0%	29.2	7.8%	484.1	453.3	30.8

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CTD Cost Performance: (+\$29.2M/+7.8%)

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

- ARRA-funded work scope included efficiencies with Program Management (\$2.6M), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0M), lower than planned capital equipment costs (\$3.0M) and efficiencies with Arid Lands Ecology (ALE) (\$3.7M), North Slope Facilities (\$1.2M), disposition of railcars D&D (\$2.1M), and Industrial 7 Project (\$3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (\$-15.3M). Efficiencies in Outer Area Waste Sites (\$6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, ERDF passback which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.3M) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.3M), S&M costs less than expected (\$3.5M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$2.9M) and under run in overhead allocations (\$1.4M).

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The change in EAC from August to September is primarily due to inclusion of planned efficiencies in FY2014 through FY2018.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	13.0	11.4	1.6

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-008R1 – *FY2014 CHPRC PMB Annual Update*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



L. T. Blackford
Vice President and
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Decommissioning, Waste,
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Services (DWF&RS)

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

None at this time.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Completed revisions to the 105KE Facility Hazard Categorization document transmitted to RL for comments. Awaiting RL Safety Evaluation Report
- Continued work toward disposition/disposal of 100K Area legacy waste

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.			The reactor is in a surveillance mode.
KBC-043: Waste Site Remediation Completion Requirements	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			CHPRC evaluated installing 2 high-risk monitoring wells to monitor the sites. This work is unfunded in FY2013.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 102%. Cost Performance above 102% for first fiscal year.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns. Due to sequestration impacts, semi-annual surveillance of prior demolition waste sites may not be completed.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	(0.6)	0.7	0.4	1.2	-212.0%	0.3	42.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$1.2M/-212.0%)

The positive cost variance is the result of the implementation of the FY2014 PMB update BCR. As part of the BCR, and consistent with the BUG, work scope originally scheduled for completion by the end of FY2013 was deferred to out years.

CM Cost Performance (+\$0.3M/+42.1%)

The variance is within reporting threshold.

Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	301.7	301.7	280.0	0.0	0.0%	21.7	7.2%	390.5	366.0	24.4

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within threshold.

CTD Cost Performance (+\$21.7M/+7.2%)

The positive CTD cost variance is primarily the result of prior year activity that has been previously reported and CSNA sites that were completed early and under costs. In addition, less demolition was required for the KE Sedimentation Basin as well as underruns in G&A and Direct Distributables. This is partially offset by the cost overruns in prior years for the Utilities Project.

Estimate at Completion (EAC)

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

The change in EAC from August to September is primarily due to inclusion of planned efficiencies in FY2014 through FY2018.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	9.8	8.2	1.6

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-008R1 – FY2014 CHPRC PMB Annual Update

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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Services (DWF&RS)

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

None at this time.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Completed five preventive maintenance (PM) activities/operational surveillances.
- Completed five radiological surveillances.
- Completed semi-annual fire system testing of the Sodium Storage Facility (SSF).

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
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.			FFTF performing above Cost Performance of 102%.
FFTF-013: DOE/ENW Agreement Concerning 400 Area Sewer Flow	ENW notified RL that consistent with the agreement between the two entities for the 400 Area sewer flow, effective January 1, 2014 ENW would no longer accept waste water from the 400 Area.			A contract modification was definitized in September to provide a new system for the 400 Area and eliminate discharges to ENW by 12/31/13.
FFTF-014: Disposition of FFTF Waste Water	Work with DOE and regulatory agencies for design and operational requirements. Place requirements into sub-contracted statement of work for new sewer system. Incorporate on-going maintenance and interface items into out-year planning documents with CHPRC and MSA (as appropriate).			New Risk to monitor construction performance. Processing a change request to incorporate work scope into the PMB.

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	0.2	(0.0)	-5.1%	0.0	10.0%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.0M/-5.1%)

The current period schedule variance is within thresholds.

CM Cost Performance: (+\$0.0M/+10.0%)

The current period cost variance is within threshold.

Contract-to-Date

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	15.9	15.9	13.5	0.0	0.0%	2.4	15.1%	26.2	24.7	1.5

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$2.4M/+15.1%)

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

Estimate at Completion (EAC)

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

The change in EAC from August to September is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

FY2013			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.4	1.9	0.5

Numbers are rounded to the nearest \$0.1M

Funds Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

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

Baseline Change Requests

BCR-PRC-13-008R1 – *FY2014 CHPRC PMB Annual Update*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT			3. PROGRAM			4. REPORT PERIOD							
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 08 / 26							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 09 / 30							
			c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009							
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,451,637	12,180		227,704	5,679,342	5,556,359	5,679,342	5,556,359								
6. ESTIMATED COST AT COMPLETION					7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)	VARIANCE (3)			a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,254,132						c. SIGNATURE			d. DATE SIGNED 9/30/2013					
b. WORST CASE		5,403,090														
c. MOST LIKELY		5,328,655		5,463,817	135,163											
8. PERFORMANCE DATA																
WBS[1] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
011 RL-11 NM Stabilization and Disposition PFP	(19,888)	9,400	9,500	29,288	(100)	621,463	613,936	641,872	(7,527)	(27,937)	0	0	0	934,876	971,693	(36,816)
012 RL-12 SNF Stabilization and Disposition	(9,571)	6,113	9,625	15,684	(3,512)	382,319	382,308	390,497	(12)	(8,190)	0	0	0	688,378	696,557	(8,178)
013 RL-13 Solid Waste Stabilization & Disposition	8,476	9,822	9,377	1,346	444	789,346	789,490	771,666	144	17,824	0	0	0	1,324,636	1,254,704	69,933
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	1,327	10,636	10,826	9,309	(190)	904,531	903,227	898,289	(1,304)	4,938	0	0	0	1,479,992	1,487,141	(7,149)
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,127	1,214	869	87	345	376,223	376,221	347,055	(2)	29,167	0	0	0	484,052	453,299	30,753
041 RL-41 Nuclear Facility D&D - River Corridor	(581)	651	377	1,232	274	301,683	301,683	279,975	0	21,708	0	0	0	390,453	366,025	24,428
042 RL-42 FFTF Closure	223	212	191	(11)	21	15,912	15,912	13,513	0	2,399	0	0	0	26,180	24,714	1,466
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	(18,888)	38,047	40,764	56,935	(2,717)	3,391,477	3,382,776	3,342,867	(8,700)	39,909	0	0	0	5,328,567	5,254,132	74,435
f. Management Reserve														74,523		
g. Total	(18,888)	38,047	40,764	56,935	(2,717)	3,391,477	3,382,776	3,342,867	(8,700)	39,909	0	0	0	5,403,090		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance																
										(8,700)	39,909			5,403,090	5,254,132	148,958

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN _ Thousands of \$			FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT			3. PROGRAM			4. REPORT PERIOD							
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 08 / 26							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 09 / 30							
c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																
FOC ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
30A - Project Services & Support																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291
30B - WBS 98 PSD Distribution																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)
30C - WBS 98 R&RP Distribution																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)
30W - WBS 98 WFR Distribution																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
34 - Environmental Prog & Strategic Planning																
030.2 - Envir Prog & Strategic Planning	500	500	482	0	18	42,188	42,188	38,623	0	3,565	0	0	0	82,660	79,094	3,565
	500	500	482	0	18	42,188	42,188	38,623	0	3,565	0	0	0	82,660	79,094	3,565
35 - Business Services																
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0
030.9F - Ramp Up/Transition - Fac	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
	0	0	0	0	0	44,816	44,816	45,288	0	(473)	0	0	0	44,816	45,288	(473)
37 - Company Level Initiatives																
011.7W - PRC WFR	388	388	329	0	59	2,206	2,206	1,937	0	270	0	0	0	2,206	1,937	270
012.7W - PRC WFR	125	125	183	0	(58)	1,488	1,488	1,084	0	404	0	0	0	1,488	1,084	404
013.7W - PRC WFR	245	245	233	0	12	1,946	1,946	1,650	0	296	0	0	0	1,946	1,650	296
030.7W - PRC WFR	190	190	223	0	(33)	1,895	1,895	1,280	0	614	0	0	0	1,895	1,280	614
040.7W - PRC WFR	29	29	26	0	3	253	253	206	0	47	0	0	0	253	206	47
041.7W - PRC WFR	21	21	18	0	3	358	358	228	0	131	0	0	0	358	228	131
042.7W - PRC WFR	5	5	4	0	1	37	37	27	0	10	0	0	0	37	27	10
	1,003	1,003	1,016	0	(14)	8,184	8,184	6,412	0	1,772	0	0	0	8,184	6,412	1,772
38 - Project Technical Services																
030.3 - EPC - Groundwater	0	0	(0)	0	0	273,050	273,050	292,983	0	(19,933)	0	0	0	273,050	292,983	(19,933)
	0	0	0	0	0	273,050	273,050	292,983	0	(19,933)	0	0	0	273,050	292,983	(19,933)
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	(20,276)	9,012	9,171	29,288	(159)	536,216	528,689	563,748	(7,527)	(35,059)	0	0	0	849,629	893,568	(43,939)
	(20,276)	9,012	9,171	29,288	(159)	536,216	528,689	563,748	(7,527)	(35,059)	0	0	0	849,629	893,568	(43,939)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	2,991	2,991	2,418	0	572	145,489	145,489	141,034	0	4,455	0	0	0	263,256	258,802	4,455
012.2 - Sludge Treatment Project	(12,687)	2,997	7,023	15,684	(4,026)	182,921	182,909	196,143	(12)	(13,234)	0	0	0	371,213	384,435	(13,222)
013.1 - Waste Management	8,231	9,577	9,145	1,346	432	682,478	682,622	664,243	144	18,379	0	0	0	1,217,768	1,147,281	70,487
040.1 - PRC D&D	0	0	10	0	(10)	191,578	191,578	187,844	(0)	3,734	0	0	0	225,336	222,345	2,990
040.2 - D&D Fac Waste Site Remediation	0	0	0	0	0	67,594	67,594	60,123	0	7,471	0	0	0	90,851	83,381	7,471
041.1 - River Zone	(602)	630	359	1,232	271	248,790	248,790	236,474	0	12,316	0	0	0	337,560	322,524	15,036
042.1 - FFTF	218	207	187	(11)	20	14,271	14,271	11,971	0	2,300	0	0	0	24,539	23,172	1,367
040.3 - PRC Fac & Waste Site Maint	1,098	1,185	833	87	352	45,531	45,529	40,697	(2)	4,832	0	0	0	96,345	89,183	7,162
	(752)	17,586	19,973	18,338	(2,388)	1,578,652	1,578,782	1,538,530	131	40,252	0	0	0	2,626,867	2,531,122	95,746
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	637	9,946	10,121	9,309	(175)	491,478	490,174	462,257	(1,304)	27,917	0	0	0	1,026,468	1,010,637	15,831
	637	9,946	10,121	9,309	(175)	491,478	490,174	462,257	(1,304)	27,917	0	0	0	1,026,468	1,010,637	15,831
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	(18,888)	38,047	40,764	56,935	(2,717)	3,391,477	3,382,776	3,342,867	(8,700)	39,909	0	0	0	5,328,567	5,254,131	74,435
f. Management Resrv.														74,523		
g. Total	(18,888)	38,047	40,764	56,935	(2,717)	3,391,477	3,382,776	3,342,867	(8,700)	39,909	0	0	0	5,403,090		

FORMAT 3, DD FORM 2734/3, BASELINE

September 2013 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE															DOLLARS IN THOUSANDS		Form Approved OMB No. 0704-0188					
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA					2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:					3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					4. REPORT PERIOD a. FROM: 2013/08/26 b. TO: 2013/09/30							
5. CONTRACT DATA																						
a. ORIGINAL NEGOTIATED COST 4,312,366				b. NEGOTIATED CONTRACT CHANGE \$1,139,271		c. CURRENT NEGOTIATED COST (A + B) \$5,451,637		d. ESTIMATED COST AUTH UNPRICED WORK \$12,180		e. CONTRACT BUDGET BASE (C + D) \$5,463,817			f. TOTAL ALLOCATED BUDGET \$5,403,090			g. DIFFERENCE (E - F) \$60,728						
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)		BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (17)	TOTAL BUDGET (18)				
							SIX MONTH FORECAST															
							+1 Oct-13 (4)	+2 Nov-13 (5)	+3 Dec-13 (6)	+4 Jan-14 (7)	+5 Feb-14 (8)	+6 Mar-14 (9)	FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)	FY13 (14)	FY14 (15)	FY15-18 (16)			
a. PM BASELINE (BEGIN OF PERIOD)			3,410,365		41,353		30,001	33,423	30,487	38,027	30,630	32,308	653,426	960,017	1,002,105	428,688	409,606	416,923	1,499,923	0	5,370,688	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-011-13-004R1 - Transfer Waste Disposition BCWS Values for RL-011.R1/C1 to Non-Capital Asset Control Account BCR-PRC-13-008R1 - FY2014 CHPRC PMB Annual Update																	(62,365)	(40,010)	60,254		0	(42,121)
c. PM BASELINE (END OF PERIOD)			3,391,477		(18,888)		28,105	28,914	25,399	32,505	28,170	29,878	29,095	960,017	1,002,105	428,688	347,240	376,913	1,560,177	0	5,328,567	
7. MANAGEMENT RESERVE																					74,523	
8. TOTAL																						5,403,090

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 08 / 26	
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2013 / 09 / 30	
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO 9/18/2009				
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)											
FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)
			SIX MONTH FORECAST						SPECIFIED PERIODS		
			+1 Oct (4)	+2 Nov (5)	+3 Dec (6)	+4 Jan (7)	+5 Feb (8)	+6 Mar (9)	REM FY14 (12)	FY15-18 (13)	
30B - WBS 98 PSD Distribution											
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	1
31 - Communications & Outreach											
000.1 - Communications & Outreach	8	615	7	7	7	7	7	7	42	336	1,035
	8	615	7	7	7	7	7	7	42	336	1,035
32 - Safety, Health, Security & Quality											
000.2 - Safety,Health,Security/Quality	50	4,546	53	53	53	53	53	53	320	2,709	7,893
	50	4,546	53	53	53	53	53	53	320	2,709	7,894
34 - Environmental Prog & Strategic Planning											
000.4 - Environmental Prog & Strategic Planning	17	1,218	20	20	20	20	20	20	123	983	2,444
030.2 - Envr Prog & Strategic Planning	18	1,641	20	20	20	20	20	20	119	1,354	3,234
	35	2,859	40	40	40	40	40	40	242	2,337	5,679
35 - Business Services											
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	67	4,606	67	68	68	67	67	67	400	3,219	8,629
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	15
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	1
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	11
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	272
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	7
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	2
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	18
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	13
	67	6,247	67	68	68	67	67	67	400	3,219	10,271
36 - Prime Contract & Project Integration											
000.7 - Contract and Baseline Management	36	2,289	40	42	42	42	42	42	252	1,968	4,759
000.9 - Chief Information Officer	10	729	9	9	9	9	9	9	54	432	1,269
	46	3,018	49	51	51	51	51	51	306	2,400	6,029
38 - Project Technical Services											
000.F - Eng/Procurement & Construction	19	1,387	17	17	17	17	17	17	104	830	2,423
000.T - Proj Tech Svcs	16	1,651	15	15	15	15	15	15	87	696	2,524
030.3 - EPC - Groundwater	0	3,635	0	0	0	0	0	0	0	0	3,635
	35	6,673	32	32	32	32	32	32	191	1,526	8,583
39 - PS&S G&A Adder Offset											
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
3B - PFP Closure											
011.1 - Plutonium Finishing Plant	318	31,931	385	400	404	407	408	415	2,520	8,997	45,867
	318	31,931	385	400	404	407	408	415	2,520	8,997	45,868
3C - W&FMP/D&D Project											
012.1 - 100 K Area Project	89	7,658	84	84	84	84	84	84	502	4,399	13,063
012.2 - Sludge Treatment Project	86	6,750	92	92	92	92	92	92	548	4,666	12,516
013.1 - Waste Management	260	34,622	285	283	282	282	282	282	1,650	15,030	52,998
040.1 - PRC D&D	1	7,533	0	0	0	0	0	0	0	1,211	8,744
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	495	1,836
040.3 - PRC Fac & Waste Site Maint	30	2,518	36	36	36	36	37	47	230	1,709	4,685
041.1 - River Zone	12	6,989	16	16	16	16	16	16	96	2,695	9,876
042.1 - FFTF	7	649	10	10	10	10	8	8	47	376	1,128
	485	68,060	523	521	520	520	519	529	3,073	30,581	104,847
3D - Soil & Groundwater Remediation											
030.1 - Soil & GW Remediation	231	18,499	262	261	254	261	267	267	1,702	13,320	35,093
	231	18,499	262	261	254	261	267	267	1,702	13,320	35,094
Grand Totals:	1,274	142,451	1,419	1,433	1,430	1,438	1,445	1,461	8,796	65,427	225,300

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) 2013/08/26	
b. LOCATION (Address and ZIP Code) Richland, WA 99354			b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2013/09/30		
			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:	(18,888)	38,047	40,764	56,935	-301.4%	(2,717)	-7.1%	-2.01	0.93
Cumulative:	3,391,477	3,382,776	3,342,868	(8,700)	-0.3%	39,909	1.2%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,328,567	5,254,132	74,435	1.4%	0.98	1.02			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month favorable Schedule Variance (+\$56.9M) is largely due implementation of the FY2014 annual Performance Measurement Baseline (PMB) update. The RL-0011 PFP Closure Project Implementation of the FY2014 PMB Update directing the project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment. Partially offset by continuation of unplanned PRF crane repairs. The RL-0012 variance is largely due to suspension of process equipment procurements, Annex construction and T-Plant work due to sequestration. The RL-0013 variance is attributed to implementation of FY2014 PMB update which rephased work scope per DOE direction (e.g. deferral of T Plant ramp up to FY 2015) consistent with the Baseline Update Guidance and sequestration impacts, and the completion of FY2010 activity for CSB DSA development. The RL-0030 variance is due to well drilling activities for BC-5, JR-4, HR-3, and M-24 that have been delayed over the last several months were re-planned in FY2014 as part of the PMB update BCR. In addition, geophysical logging and sampling and analysis activities in support of well drilling were also impacted and re-planned into FY2014. These changes resulted in a point adjustment in September and positive schedule variance for the month.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$2.7M) is primarily due to RL-0012 suspension of work due to Sequestration impacts and the cost to replan, resume work heading into FY2014 is resulting in costs that were not included in the baseline. Primarily offset by RL-0041 Implementation of the FY2014 PMB update BCR. As part of the BCR, and consistent with BUG guidance, work scope originally scheduled for completion by the end of FY2013 was deferred to out years. In addition, realized efficiencies in multiple projects necessary to meet project funding requirements.</p> <p>Cumulative Schedule Variance: The Cumulative unfavorable Schedule Variance (-\$8.7M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$39.9M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$18.0M) and prior year G&A/DD/PSD distribution variances (+\$21.9M).</p>									
Impact:									
<p>Current Period Schedule: For RL-0012, procurements are being prioritized to recover schedule variance and minimize impacts to overall schedule.</p> <p>Current Period Cost: No significant impacts by PBS have been identified.</p>									
<p>CTD Schedule: For PBS RL-0011, KPP - Given the schedule impacts to date and the remaining time to recover, plus sequestration impacts, the baseline completion date has slipped to October 28, 2014. Mandated sequestration reductions in FY2013, funding, and impacts to the assigned number of PFP D&D field work teams has hindered the project's ability to complete the KPP glovebox work scope by May 2014. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field work push completion of follow-on work. The top ten critical float paths contain activities associated with process vacuum piping and process support equipment removal, 291-Z D&D and stack demolition, 234-5Z final filter removal and grouting of cavities/penetrations, and 291-Z 17" sample vacuum and 232-Z duct removal. Due to FY2013 and FY2014 funding constraints, completion of TPA Milestone M-083-44 by 9/30/2015 is not achievable. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015 - Forecast: August 4, 2016. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016 - Forecast: February 7, 2017. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&M Plan to Ecology. Due June 30, 2016 - Forecast: June 30, 2016. No other significant impacts have been identified.</p> <p>CTD Cost: No significant impacts have been identified. In RL-0013, RL-0040, RL-0041, and RL-0042, underruns are forecast based on efficiencies.</p>									

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

Corrective Action:

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

Current Period Cost: No corrective actions are required.

CTD Schedule: PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time. 1. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Schedules are being developed to implement the initiatives. Status: Progress has been made incorporating activities into the Field Execution Schedule (Complete – July 2013). VE initiatives incorporated into PMB Update (Complete: September 2013) 2. Enhanced "time on tools" continues to be pursued for all PFP subprojects as part of the ongoing Collective Bargaining Agreement negotiations (ECD: November 2013) 3. A change in the PFP safety basis and criticality analysis is in process to approximately double the current allowable fissile inventory for loading gloveboxes outside. This could reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage (ECD: December 2013). 4. The cost and schedule impacts of Chemical Mitigation work scope have been analyzed, Change Proposals for change in conditions have been prepared and will be submitted to DOE-RL late October 2013. (ECD: October 2013). 5. A Budget Change Request is being prepared relative to the risk on the reliability of the PRF canyon crane (Complete August, 2013). 6. The 242-Z and Balance of 234-5Z D&D work scope will be re-sequenced with the submittal of the FY2014 baseline update in September 2013 (Complete September 2013). No other specific corrective actions are planned at this time.

CTD Cost: No corrective actions are required.

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

Overall, Project performance in September reflects implementation of the annual Performance Measurement Baseline update. For FY2013 and contract to date, the project is on schedule and ~1% under planned cost. Project performance in September was primarily attributed to implementation of the FY2014 annual Performance Measurement Baseline (PMB) update. The RL-0011 PFP Closure Project Implementation of the FY2014 PMB Update directing the project to re-plan carryover work scope except for Capital Asset Project RL-0011.C1 resulting in a point adjustment. Partially offset by continuation of unplanned PRF crane repairs. The RL-0012 variance is largely due to suspension of process equipment procurements, Annex construction and T-Plant work due to sequestration. The RL-0013 variance is attributed to implementation of FY2014 PMB update which rephased work scope per DOE direction (e.g. deferral of T Plant ramp up to FY 2015) consistent with the Baseline Update Guidance and sequestration impacts, and the completion of FY2010 activity for CSB DSA development. The RL-0030 variance is due to well drilling activities for BC-5, JR-4, HR-3, and M-24 that have been delayed over the last several months were re-planned in FY2014 as part of the PMB update BCR. In addition, geophysical logging and sampling and analysis activities in support of well drilling were also impacted and re-planned into FY2014. These changes resulted in a point adjustment in September and positive schedule variance for the month.

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

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a +\$74.4 million and +1.4% and is within reporting thresholds. The VACs for RL-0013, RL-0040 and RL-0041 increased primarily due to inclusion of planned efficiencies in FY2014 through FY2018. The VACs for other project baseline summaries (PBSs) are within the threshold limits of +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$12,180.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$12,180.0

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR
BCR-PRC-13-008R1	<i>FY2014 CHPRC PMB Annual Update</i>	2013-2018	(\$9.9M)

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

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:
10/21/2013

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

M. A. Wright
Vice President for
Project Technical
Services

September 2013
CHPRC-2013-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

D. A. Millikin
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-EPC-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	9/30/13	100%
13-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities.	12/31/13	69%
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	98%
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	82%
13-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into 80% of CHPRC onsite/offsite event contracts.	7/31/13	100%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	100%
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	100%
13-EMS-ADMIN-OB5-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Track the use of SMART boards during quarter 1 and 2 in FY2013. Calculate reduced GHG emissions realized from the use of SMART boards.	4/30/13	100%
13-EMS-ADMIN-OB6-T1	Reduce or avoid greenhouse gas emissions.	Have at least 10 CHPRC employees bicycle to work on May 17, 2013, Bike to Work Day. Build on the enthusiasm and expand the challenge to the entire month of June.	7/31/13	100%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	2	2	9/4/13 – Employee tripped on top stair, fell and skinned knee. (FO – 23162) 9/4/13 – Employee lost balance while walking over river rock on Columbia River shoreline, fell, and incurred contusions to arm/shoulder. (FO – 23163)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects, as well as, central management of crosscutting services. There were no Recordable injuries and two First Aid case during September 2013.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - Continued progress with the Corrective Action Plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
 - The Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2 has been approved by RL/Office of River Protection for approval. Implementation efforts are underway. As part of the implementation efforts, the pilot project for assessment and characterization of facilities as been initiated, and CHPRC has started the required briefings on changes to beryllium postings and labels.
 - Continued support of the site-wide efforts on legacy asbestos issues. The Legacy Asbestos Fact Sheet was finalized and posted on the Hanford Employees Asbestos Information page. Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues, including work restriction language and issues with the Employee Job Task Analysis process.
 - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Developed a Technical Evaluation (TE) process to be included in the Industrial Hygiene Exposure Assessment procedure pending review by the BeCAP product team.
 - Completed the Apparent Casual Analysis for the Chemical Management issues identified in RL surveillance report.
 - Providing support to Plutonium Finishing Plant (PFP) for use of the PremAire system to facilitate deactivation & decommissioning activities in the Plutonium Reclamation Facility (PRF) canyon.

- Provided assistance to Decommissioning, Waste & Fuels and Remediation Services Project (DWF&RS) Surveillance & Maintenance (S&M) group regarding the Purex Tank 11 asbestos concern.
- Provided support to DWF&RS for work activities associated with roof work at the Waste Encapsulation and Storage Facility (WESF).
- Provided support to Project Technical Services (PTS) with subcontractor prequalification's, subcontractor oversight and Employee Job Task Analysis (EJTA) reviews for subcontractor personnel.
- Completed an assessment as directed by RL on the CHPRC EJTA process.
- CHPRC employees attended the National VPPPA conference and received two awards; one for the National Innovation Reward for the "4H" Respiratory Program and the other award was the VPP Outreach Award presented to the Hanford Site VPP Champions Committee.
- o Radiological Control accomplishments:
 - Continued to support site-wide Radiological Control committees.
 - Provided support to PFP Closure Project towards resolving recent portable instrument and Continuous Air Monitor issues.
 - Completed Work Site Analysis (WSA) on implementation of routine radiological survey process.
 - Continued to provide support towards the goal of approving the use of lapel breathing zone air monitors within an encapsulating suit at PFP Closure Project.
 - Provided briefings on Radiological Engineering Methods and Open Air Demolition Modeling to Radiological Control Staff.
 - Provided testing of software changes to support the electronic radiological survey report software.
- o Nuclear Safety deliverables prepared and transmitted to RL in September include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1302916A R1, dated September 18, 2013, *Operating Experience Level 1 Document, Improving U.S. Department of Energy Capabilities for Mitigating Beyond Design Basis Events (OE-1: 2013-01), Action 2 Response.*
 - Letter, CHPRC-1302753, dated September 26, 2013, *CHPRC-02064, Evaluation of the Safety of the Situation - Flammable Gas Retention in Containerized Sludge, for Approval.*
 - Nuclear Safety deliverables received from RL in September include:
 - Letter, 13-NSD-0045_RL, dated September 20, 2013, *Notification of Intent to Conduct an Assessment of CH2M Hill Plateau Remediation Company (CHPRC) Road Closure Process and Request for Information to Support this Assessment.*
- o Contractor Assurance Regulatory Reporting accomplishments:
 - 289 Condition Reports were screened in September:
 - 1 Significant
 - 12 Adverse
 - 112 Track Until Fixed (TUF)
 - 43 Trend Only (TO)
 - 102 Opportunity for Improvement (OFI)
 - 4 Screened Out (factually inaccurate, duplicative of existing Condition Reports)

The increase over last month in Adverse Issues resulted in large part from RL surveillance S-13-NSD-PRC-001, *Surveillance of the CHPRC Fire Protection Program.*
 - A significant modification of the Condition Reporting and Resolution System (CRRS) was completed, which among other features, facilitated the capture in IDMS of record files associated with closed Condition Reports.
 - Submitted to RL the fourth quarter CHPRC Quarterly Performance Analysis Report (June

- 2013 – August 2013)
- Received the assessment performed by the CH2M Hill Nuclear Business Group Manager of Quality Assurance and Environmental Program, which identified four OFIs and one issue screened as TUF.
 - Completed preparations for the Office of Health, Safety and Security’s Office of Enforcement and Oversight regulatory assistance review of the CHPRC regulatory compliance program.
 - The final drafts and presentation materials for the cause evaluation of cross-cutting chemical management deficiencies and root cause evaluation of the un-terminated energized 480 volt cable found in the 100 KW area were completed.
 - The Issues Management Responsible Manager course was presented to 22 CHPRC personnel in September.
 - PRC-MASS-0009, *Home Office Assessment Topic 7: PRC Assessment Program Review*, a corporate assessment of the PRC Assessment Program (Topic 7) was completed. This assessment, performed by the CH2M Hill Nuclear Business Group Manager of Quality Assurance and Environmental Program, identified that the CHPRC Assessment Program was strong and was being effectively implemented. There were no findings, two opportunities for improvements and three recommendations identified.
 - Completed compilation and review of the FY2014 Integrated Evaluation Plan (IEP).
 - o Performance Assurance and Quality Assurance accomplishments:
 - Supported the Health Safety and Security (HSS) review of Safety Culture Self-Assessment Activities.
 - Performed bid proposals for the SHS&Q Basic Order Agreement for staff augmentation and Technical Task.
 - Attended the Energy Facility Contractors Group (EFCOG) Annual Strategic planning session in Washington D.C.
 - o Quality Assurance accomplishments:
 - Supported the DWF&RS project in the procurement of the new Effluent Treatment Facility evaporator heat exchanger.
 - Participated the PTS organization’s procurement of a new Nondestructive Evaluation (NDE) services contractor and a new 400 Area septic system. Provided extensive support to the K-Basin Annex construction restart.
 - Worked with the Ground Water project in the clarification of inspection criteria for ASME B31.3 systems.
 - Worked with the PFP organization in the development of design criteria for a new portable breathing air system to support facility D&D.
 - Worked to resolve issues with the Mission Support Alliance (MSA) calibration contractor.
 - Supported the DOE Headquarters Office of Civilian Radioactive Waste Management (OCRWM) surveillance of the CHPRC OCRWM program.
 - Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implementing pilot program proposal, which includes posting, assessments, and Be characterization of select buildings, areas, and structures.
 - o **Issue:** Accident & Injury Reduction.
Status: Investigating recent recordable injuries to determine cause and prevention.
Action: Working closely with site medical provider regarding injury and accident prevention.

- o **Issue:** PFP Value Engineering Study Strategy Path Forward.
Status: Engaged with PFP project personnel with SHS&Q central group SMEs; developed Risk Evaluation Board (REB) to help expedite PFP strategy innovations to PRC and RL senior management.
Action: PFP High Gram Glovebox presented at REB in August. Follow-up on REB questions to be resolved with RL in September. Presented PFP foam initiative to REB in September.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Status – Asbestos:**
 - o Submitted to RL the response to the Clean Air Act Section 114 information request from the US Environmental Protection Agency, Region 10.
- **Ecology Central Waste Complex Box and WRAP Drum Leak Enforcement**
 - o A tolling agreement was signed extending the deadline to finalize the AO to October 4 and this is expected to be extended again.
- **EPA/RL Agreed Order RCRA Permit Enforcement**
 - o Closure plans submitted to RL by contract-required date of September 25, 2013. Finalization of Part As, Training Plans, Inspection Plans, SAPs and some non-CAFO closure plans in progress.
- **LERF/ETF Totalizers**
 - o Completed Cause Analysis, returned flow meters and totalizers to service, submitted RCRA Class II permit change request to allow for second method of computation of basin liner leak rate.
- **Environmental Management System (EMS)**
 - o CHPRC Company Picnic diverted 98.5% of all waste generated at the event which was attended by over 2,000 people.
- **Environmental Compliance & Quality Assurance (ECQA)**
 - o **Assessments Completed in September**
 - Environmental Compliance Inspection (ECI) of a Sitewide Walkdown identification of potential waste was completed by the end of September. No Findings or Opportunities for improvement were documented.
 - The DRAFT ECI of Universal Waste was completed by the end of September and sent out for factual accuracy. Ten draft OFI's and 15 draft Findings were identified. The ECI will be completed in October.
 - An Environmental Compliance Officer (ECO) Field walk down of the 200 West Area ZP-1/PW-1/UP-1 laydown yard was performed as a MOP to determine if any potential waste was being stored. No issues were identified.
 - o **Upcoming Assessments**
 - The Independent Assessment of RCRA implementation has been rescheduled to be completed the first quarter of FY2014.
 - ECI of Waste Water Programs is planned to be completed by the end of November.
 - QA Surveillance of the ETF/LERF Quality Assurance Project Plan (QAPjP) compliance is scheduled to be completed by the end of October.

Business Services

- **Acquisition Planning**
 - o Working with Projects to determine contract needs for FY2014 and Option Period including contract extensions and new contracts leading to submittal of updated Small Business Plan in October 2013.
 - o Working with Projects on statements of work and new contracts for next fiscal year including,

- Radioactive Waste Treatment, Hazardous Waste Treatment, Non-Destructive Examination, Tank Integrity Inspections and TRU Repack.
- o Worked with DWF&RS to issue for Request for Information (RFI) for Cs/Sr Capsule Storage. Planned site tour for October 3, 2013.
 - o Completed Management Assessment on Effectiveness of Acquisition Planning. Suggestions included conducting statement of work workshops to strengthen product and enhanced buyer integration into projects.
- **Facilities and Property Management (F&PM)**
 - o The FY2013 physical inventory of Government property was completed on September 30, 2013. 99.61% of the items were accounted for and 99.95% of the value exceeding the 99% goal. CHPRC Internal Audit completed their review of the conduct of the Inventory Campaign and had no issues, findings or recommendations. 20 items valued at \$60,734.03 have been submitted on Loss Damage Destruction Reports (LDDR). Items of significant value were portable generators.
 - **Finance**
 - o Continuing to respond to requests from KPMG related to the incurred cost audit for FY2009-FY2011. KPMG is now focusing on FY2009 and the schedule for completion has slipped from the end of September to late October or early November. Completion of FY2010 and FY2011 is slipping to January 2014.
 - o Pacific Northwest Consultants is onsite and actively involved in completing the independent risk assessment of CHPRC's time recording system and processes. Received a draft report in late September. Draft report identified 11 areas for improvement. CHPRC is reviewing report to identify a path forward for responding to comments.
 - o CHPRC successfully closed FY2013 with actual costs below authorized funding in all funding control points and has \$28.1M of carryover funding to start FY2014.
 - **Human Resources**
 - o **Subcontract Employment Decisions**

Acceptances of Non-Bargaining Unit	311
Bargaining Unit Transfers	57
Total Hires as of September 30	368

*Pre-employment background screenings were completed on all new employees.
 - o **Not Joining CHPRC**

End of Assignments (includes 4 rescinded offers)	30
Declined Offers	35
Resignation Before Offer	8
Offer intended but did not apply	2
Total as of September 30	75
 - **Material Services**
 - o Worked with Internal Audit to answer RL questions on the recently completed P-Card audit.
 - **Procurement**
 - o For the month of September 2013, the Procurement group awarded 34 new contracts with a total value of \$2.8M. Additionally, awarded 286 new material Purchase Orders valued at \$965K to support ongoing project objectives.
 - o At the end of the first 60 months of the PRC, procurement volume has been significant; \$2.062B in contract activity has been recorded with approximately 49.30%, or \$1.01B, in awards to small businesses. This includes 6,294 contract releases, 15,834 Purchase Orders, and 191,645 P-Card transactions.
 - o Procurement completed incurred cost audits of four cost reimbursable subcontractors, as required by contract clause I-156. The audits of Babcock Services, EnRep, GEM and M&EC covered

FY2009 to FY2011. The results of audits were used to negotiate final indirect rates for each subcontractor.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance & Change Management (CC&CM)**

- o In September, Prime Contracts received and processed ten (10) contract modifications (numbers 285, 286, 288, 289, 290, 291, 292, 293, 294, and 295) from RL. Correspondence Review received and determined the distribution for 25 incoming letters/documents from RL and the Prime Contracts Manager reviewed 39 outgoing correspondence packages.
- o Estimating provided the following support to the Projects:
 - Plutonium Finishing Plant (PFP) Closure Project:
 - Supported the completion of FY2014 PMB updates specific to demolition work scope elements.
 - Continued efforts on the preparation of Change Proposals addressing the impacts of PFP chemical hazards identification and mitigation and the FY2013 sequestration.
 - Sludge Treatment Project (STP):
 - Provided continuing support by reviewing change orders and estimated cost for design changes associated with the 100K Area Annex construction. Also associated with the 100K Annex, initiated an estimate from completed electrical and mechanical drawings, which will be used to define work assignment and forecast the cost of work to be performed by the subcontractor, FE&C.
 - Continued effort on the preparation of a Change Proposal that will address the impacts of FY2013 Sequestration to the overall project.
 - Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) Project
 - In conjunction with the S&GRP, Estimating completed and submitted to RL on September 11, 2013 a Change Proposal in response to CO #232, *Contractor Actions Required Under the June 26, 2013, EPA Consent Agreement and Final Order (CAFO)*.
 - Soil & Groundwater Remediation Project (S&GRP):
 - Continued efforts on preparation of a revised actual cost Change Proposal for CO #107, Addition of S-SX Interim Groundwater Extraction System. Development of this revised Change Proposal is being done to support closure on the reopener agreement included in the earlier definition of CO #107.
 - In conjunction with S&GRP, completed and submitted to RL on September 23, 2013, Revision 1 to CHPRC's Change Proposal in response to CO #222 - *100-BC-5 Well Drilling, Aquifer Tube Network Installation, and Sampling*. This revision was prepared at RL's request to incorporate the impact of delays in starting field work due to permit issues and to incorporate pricing by well so that optional wells, if not installed, will have a deletion value established at the time of definitization.
 - Continued efforts on the development of a Change Proposal in response to CO #227 - *Modutank and Investigation-Derived Waste (IDW) Changed Regulatory Requirements and Groundwater Procedure Updates*.
 - Continued efforts on the preparation of a Change Proposal in response to CO #229 - *100-NR-2 OU Apatite Barrier within the Vadose Zone*.
 - Project Technical Services (PTS):
 - Participated in a walk-down to establish field conditions associated with a subcontract to re-foam the roof at the Waste Encapsulation and Storage Facility. Estimating personnel evaluated the condition of the roof and provided a fair cost estimate that was used to negotiate a change in the work assigned to the subcontractor.

- **EVMS Compliance and Reporting**
 - Continued tracking furloughs as required to stay within funding as impacted by sequestration.
 - Submitted the Annual PMB update to RL on September 10, 2013.
 - Participated in comment review sessions relative to the Annual PMB submittal.
- **Strategic Planning and Integration**
 - **Strategic Planning**
 - PRC-MP-MS-19361, *CH2M Hill Plateau Remediation Company Project Execution Plan*, Revision 4 was issued, closing out a corrective action.
 - Issued a Request for Information (RFI) solicitation to obtain information on commercially available systems for extended storage of the cesium and strontium capsules
 - Coordinated a tour of the WESF for vendors responding to the RFI
 - **Interface Management**
 - Revision completed on September 26, 2013 on PRC-PRO-MS-10472, Rev. 1, Chg. 1, *Interface Management*.
 - Submitted Volume 1 of “Be In The Know...” to Interface Management News and Interpretations to the Interface Management Internet Site. “Be In The Know...” is a monthly installment of various aspects of Interface Management activities and/or news.
 - “*Realize Efficiencies through Integration, Consolidation, and Standardization of Sitewide Service and Business Functions: Site Training Business Case Analysis*”, a business case that CHPRC Interface Management participated in was completed and released on 09/30/13.
 - Continue development of the Administrative Interface Agreement TOC-AIA-PRC-000031, *AIA between WRPS and PRC for Operations Interface Activities within or Adjacent to Nuclear Facilities*.
 - Developed Draft Site Wide Attachment J.3 Hanford Site Service and Interface Requirements Matrix work flow.
 - Developed (for use in with PRC-PRO-MS-10472, Rev. 1, Chg. 1, *Interface Management*) for internal use work Attachment J.3 Hanford Site Service and Interface Requirement Matrix work flow.
 - Developed Draft Site Wide J.14 Waste Site Ownership Assignment work flow.
 - Participant in the Internal J.14 Waste Site Ownership Assignment working group.
 - Developed Draft Site Wide J.13 Hanford Site Structure Ownership Assignment work flow.
 - Participant in the Site Wide J.13 Hanford Site Structure Working Group.
 - Attended Kick-Off Meeting for the Hanford Site Sustainability Plan.
 - Continue to work issues as they arise from M&TE Calibration Services provided through the new Site calibration vendor Micro Precision.
 - **Information Management**
 - Completed conversion of 188 personally owned cell phone devices to Air Watch Agent for email delivery, supporting Hanford site transition and providing savings in monthly wireless email charges
 - Researched and facilitated the elimination of 46 RAS tokens and six air cards resulting in an anticipated savings of \$1000 per month
 - Provided training material preparation and facilitation support to CHPRC Leadership Impact Initiative Workshops
 - Provided IT&S support to monthly EZAC and PZAC meetings
 - Implemented new module for processing of JCS Preventive Maintenance records into IDMS
 - Processed 11K electronic records into IDMS
 - Extended 38 Information Management contracts

Project Technical Services (PTS)**• Central Engineering (CE)**

- o Central Engineering (CE) continues to provide project management leadership for the procurement of a replacement Effluent Treatment Facility (ETF) Heat Exchanger. A sole source justification document for a like-for-like replacement has been drafted and provided to CHPRC Procurement. A technical/procurement specification has been drafted that defines the performance characteristics for the replacement heat exchanger. The procurement package is expected to be ready to distribution during the next reporting period.
- o CE participated in a National Nuclear Security Administration (NNSA) Project Review of the Savannah River Site (SRS) Waste Solidification Building (WSB). NNSA performs periodic reviews of each of the major projects under their management umbrella. CE staff was requested based on performance during previous reviews of the SRS Mixed Oxide Construction Project.
- o CE is supporting RL & DWF&RS in the response to the Oregon DOE letter of concern regarding the Waste Encapsulation Storage Facility. The Oregon DOE has questions related to the structural strength of the WESF pool cell concrete. (WESF)
- o CE examined the application of arc flash warning labels on 200W Pump & Treat HVAC and air compressor equipment and provided a recommendation to remove labels in those areas where no arc flash hazard exists.
- o CE submitted revisions to SOW templates, and safety and work management procedures to update electrical requirements and incorporate requirements listed in DOE-0359, Hanford Site Electrical Safety Program.
- o CE is providing support for PFP originating a facility modification package for electrical installation design of trailers and conex containers that are being relocated on the PFP site.
- o CE reviewed and approved CHPRC-02106, *Deactivation Analysis for MO-970 Fire Protection*. The document defines conditions that will permit the deactivation of the MO-970 Fire Systems.
- o CE drafted and submitted an SOW to obtain Non-Destructive Evaluation (NDE) services for CHPRC projects.
- o CE provided support for PTS Project Delivery originating NFPA 70 AHJ approval package CHPRC-2013-18 for two non-NRTL certified portable heaters for pipe fusion machines. The heaters were AHJ approved for use in lieu of NRTL certification on the basis of satisfactory AHJ evaluation and no NRTL certified alternative to meet the application requirements.
- o CE provided support for PTS Project Delivery on causal analysis for arcing on an electrical connection to a plastic pipe fusion machine. The cause of the arc was determined to be from an improper cord-and-plug connection. DOE issued an Operational Awareness bulletin (Report # 50218) and PTS issued CR-2013-2235 for follow-up actions.
- o CE rewrote FS0064-PFP, for PFP's main Fire Alarm Control Panel (FACP), to include testing of associated Notification Appliance Circuit (NAC) panels. Modified the JCS PM/S Activities and inactivated the 6 PM/S Activities associated NAC panels. In the past, the bells were operated for 5 minutes for each PM/S Activity, four times per year, plus the multiple short duration activations to complete the annual bell testing. Future procedure performance will have one 5 minute bell test for the Annual/4 year inspections for this FACP, the NACs associated with this FACP, and the annual bell test performance will be conducted simultaneously.
- o CE provided comments for an SOW to repair and modify penetrations in fire walls at T Plant.
- o CE completed a Work Site Assessment (WSA) for Safety Management Program (SMP) Key Attribute (KA) 11-2 for PFP. The KA 11-2 scope covers: the fire hazards analyses for CHPRC nuclear facilities meet the requirements of CRD O 420.1B, Chg. 1, (Supp Rev 0), and Facility Safety. The fire hazards for the CHPRC nuclear facilities are defined and evaluated in the facility specific fire hazards analyses (FHAs). The WSA resulted in 1 finding and 2 OFIs.
- o CE completed WSA PTS-2013-WSA-12239, Fire Protection Assessment of SMP Requirements.

- The WSA review requirements listed in KAs 11-3-1, 11-5-1, 11-6-1, and 11-7-2.
- o CE completed the CHPRC response to the “data call” that was issued due to the DOE Operating Experience Level 3 (OE-3 2013-02) memo issued at the end of August.
 - o CE completed WSA PTS-2013-WSA-11641, *Use of Separatorless HEPA Filters within CHPRC*, to document the use of separatorless HEPA filters used within CHPRC. The information was transmitted to RL for compilation and transmittal to DOE-HQ.
 - o CE is providing ongoing support for WESF, authoring and signing ECR-13-000920 to replace heating equipment that currently requires a steam source with heating equipment that uses an electrical source since steam source is no longer available. CE is also originating ECR-13-000979 for additional heating capabilities in the WESF HVAC Room.
 - o CE performed analysis of soot generation in support of the PFP filter box 25 analysis.
- **Procedures and Training**
 - o Globally Harmonized System training - Completion date for this training is December 1, 2013. Currently, CHPRC is approximately 99% complete for this activity. Approximately three personnel need to complete the training.
 - o Completed personnel transition for trainers at PFP and 100K.
 - o Began planning for block training for ETF personnel as facility shifts to alternate work schedule.
 - o Supported the development of the Hanford Site Training Business Case on Training Efficiencies.
 - o Worked with Work Control Group to update the Job Analysis for the work planner qualification.
 - o Completed testing for the next PRC Procedure System (PPS) release. Implementation of the release is scheduled for October 21, 2013.
 - o Completed 161 procedure modifications.
 - **Operations Program**
 - o Presented and received approval by the ESRB on the root cause analysis of recurring Hazardous Energy Control Events.
 - o Developed “Communications Toolbox” briefing given at this month’s Quarterly All Managers meeting.
 - o Continued support, as a core team member, of the CHPRC Leadership Initiative.
 - o Assisted WESF operations on procedure use, verification and validation.
 - o Supported construction with final review of updated Conduct of Operations Applicability Matrix which will be provided to RL for preliminary review prior to formal submittal.
 - o Completed and approved the FY2014 Project Annual Drill Program Plan.
 - o Completed triennial Emergency management assessment.
 - o Implemented Emergency Preparedness electronic records workflow process.
 - o Implemented major revisions to the Emergency Preparedness and Operational Drill Program procedures.
 - o Submitted PFP Emergency Planning Hazards Assessment (EPHA) to RL for approval.
 - o Supported S&GRP Operations Assurance group with corrective actions on: Pen and Ink changes found in work packages; electrical shock event involving Sampling NCO; and, EM-42 audit CAP.
 - o Supported 200W P&T with review and improvement of operations procedures.
 - **Project Delivery**

Continued to execute the following Davis-Bacon determined shop fabrication and field construction activities:

 - o DWF&RS
 - 400 Area New Septic System
 - Initiated development of an RFP, as well as equipment procurements and construction planning documents. The project is tracking to have isolation from Energy Northwest

- **Public Involvement**
 - o Initiated public comment period for Class 3 modifications to the Hanford Facility Dangerous Waste Permit.
 - o Continued developing the Responsiveness Summary for the 300 Area Record of Decision, responding to 157 comments from tribes and the public.
 - o Initiated public comment period for Class 3 modifications to the Hanford Facility Dangerous Waste Permit.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	33.5%
Safety, Health, Security and Quality	1.4	1.4	1.1	0.0	0.0%	0.3	20.2%
Environmental Program and Strategic Planning	0.4	0.4	0.3	0.0	0.0%	0.1	6.5%
Business Services	2.0	2.0	2.0	0.0	0.0%	(0.0)	-2.2%
Prime Contract and Project Integration	3.0	3.0	2.0	0.0	0.0%	1.0	34.4%
Project Technical Services	0.7	0.7	1.2	0.0	0.0%	(0.5)	-79.0%
Indirect WBS 000 Total	7.5	7.5	6.6	0.0	0.0%	0.9	12.3%

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: (+\$0.9M/+12.3%)

The favorable cost variance is primarily due to delay in planned time verification system upgrade to FY2014.

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

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Communications	0.9	0.9	0.9	0.0	0.0%	0.1	6.7%	1.0
Safety, Health, Security and Quality	12.9	12.9	11.4	0.0	0.0%	1.4	11.0%	14.3
Environmental Program and Strategic Planning	3.5	3.5	3.5	0.0	0.0%	(0.0)	-1.2%	3.9
Business Services	18.3	18.3	17.0	0.0	0.0%	1.2	6.8%	20.2
Prime Contract and Project Integration	18.3	18.3	16.8	0.0	0.0%	1.5	8.3%	21.3
Project Technical Services	6.2	6.2	5.7	0.0	0.0%	0.5	8.6%	6.9
Indirect WBS 000 Total	60.1	60.1	55.6	0.0	0.0%	4.5	7.5%	67.6

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

FYTD Cost Performance: (+\$4.5M/+7.5%)

The favorable cost variance is primarily due to reduced labor costs associated with sequestration impacts, reduction of network services related to early year employee layoffs, a credit attributed to SCA Compliance accrual reversal, delay in planned time verification system upgrade, and a higher than anticipated High Tech Tax Credit (HTTC) with B&O tax.

Baseline Change Requests

BCR-PRC-13-008R1 – FY2014 CHPRC PMB Annual Update

FY2013 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2013		
	FY2013 BCWS	FY2013 Actual Cost	FY2013 Variance (O)/U
General & Administrative (G&A)	67.6	62.1	5.4
Communications	1.0	1.0	0.0
Safety, Health, Security and Quality	14.3	12.6	1.7
Env. Program & Strategic Planning	3.9	3.9	(0.0)
Prime Contract and Project Integration	21.3	18.8	2.5
Business Services	20.2	19.0	1.2
Project Technical Services	6.9	6.9	0.0
	FY2013		
G&A Distribution		(62.1)	
G&A Liquidation (Over)/Under		0.0	

Liquidation Analysis

- For FY2013, Project Services and Support (PS&S) consists of only General and Administrative (G&A) accounts. Application of the G&A rate under-liquidated the G&A costs by \$4.6M. Passbacks were processed in April and July totaling \$4M, and the final \$0.6M was distributed at fiscal year end to fully liquidate all G&A costs.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.