



J. C. Fulton
President and Chief
Executive Officer

Monthly Performance Report

U.S. Department of Energy Contract,
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May 2013
CHPRC-2013-05, Rev. 0

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PROJECT BASELINE SUMMARY SECTIONS

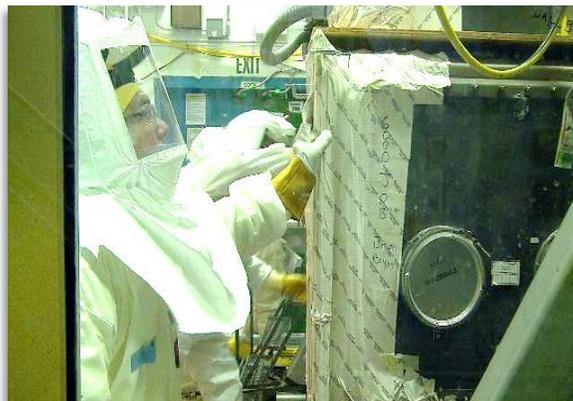
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EXECUTIVE SUMMARY

- The Plutonium Finishing Plant (PFP) Closure Project team safely finished separating three gloveboxes for removal from PFP. These 7,500-pound gloveboxes were challenging due to their large size and unusual configuration. To date, 183 of 232 gloveboxes have been removed.
- The Soil & Groundwater Remediation Project (S&GRP) treated 182 million gallons of groundwater in May, for a total of 1.25 billion gallons treated in fiscal year 2013. The project is on target to reach its fiscal year goal of 1.4 billion gallons ahead of schedule.
- The Sludge Treatment Project (STP) team issued the Project Review Board (PRB) Plan for the review of the Engineered Container Retrieval Technology System (ECRTS) Critical Decision (CD)-2/3 submittal in preparation for an upcoming CHPRC PRB Assessment in June. The CD-2/3 package is an important step forward in preparation for retrieval of highly radioactive sludge from the K West Reactor fuel storage basin.
- The Decommissioning, Waste, Fuels and Remediation Services Project (DWF&RS) met its target to treat 3 million gallons at the Effluent Treatment Facility by the end of May; the project is nearly halfway to RL's 7 million gallon fiscal year target.
- U.S. Senator Patty Murray toured the 200 West Pump-and-Treat Facility, where she was briefed about Hanford's groundwater treatment program and progress in treating plumes of contamination across the site.



Workers at PFP safely separate gloveboxes for removal



Soil & Groundwater Remediation Vice President Bob Popielarczyk and RL Manager Matt McCormick tour U.S. Senator Patty Murray through the 200 West Pump-and-Treat Facility

Focus on Safety

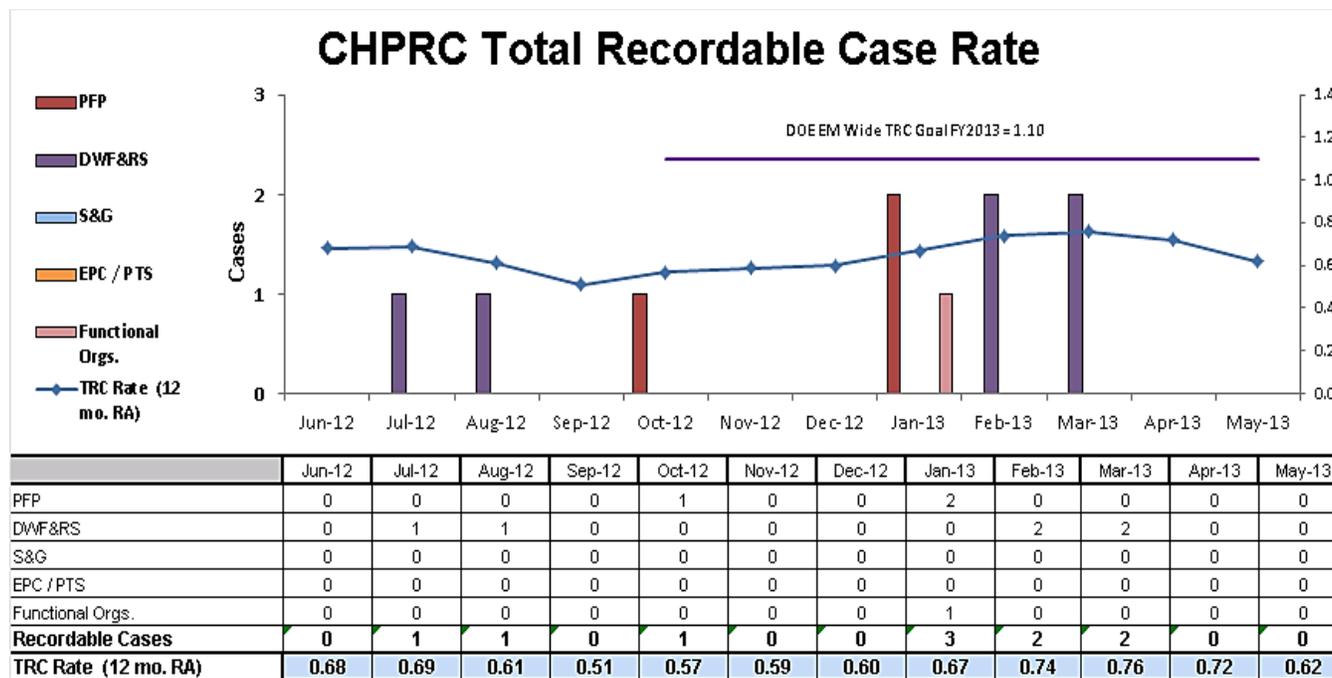
- In lieu of the President's Zero Accident Council meeting for May 2013, CHPRC participated in the 19th Annual Safety & Health Exposition (EXPO 2013) on May 14-15 at the TRAC Center in Pasco, Washington. The EXPO is a community exhibition of information, equipment, supplies, and success stories that promote the health and safety of workers both at home and at work. Participation in EXPO is supported by RL, the primary Hanford contractors, and several regional vendors. CHPRC supports the EXPO by providing volunteers who help plan the event at both the site and company level, as well as set-up, tear down and staff the booths. The theme for EXPO 2013 was "Safety 24/7" and CHPRC's booth theme was "Personal Protective Equipment (PPE) at Home and at Work." CHPRC volunteers staffed a large booth representing each Project and functional organization and in the spirit of the theme wore high visibility vests and handed out dust masks and nitrile gloves to EXPO visitors. CHPRC employees also supported additional booths by volunteering at the HAMTC Safety booth, the Hanford Site Voluntary Protection Program (VPP) booth, the local chapter of American Society of Safety Engineers, and the Hanford Historical booth, a popular stop for EXPO visitors who want to see vintage photos and documents from the Hanford Works early years. Over 60,000 community people attended EXPO 2013, including CHPRC employees.
- The 2013 Region X Safety & Health Voluntary Protection Program Participant's Association annual conference was held in Spokane, WA on May 22-23. CHPRC sent five participants and supported the attendance of a few other employees who wanted to be involved. Twenty-six sessions were presented including four sessions hosted by CHPRC employees and subcontractors. A session presented by the SHS&Q Quality Assurance Manager Rick Warriner entitled "Is Your Safety Suspect or Counterfeit" was recognized in the closing ceremony as one of the best ever offered at a Region X conference.
- Four "Thinking Target Zero" (TTZ) bulletins were published in May to convey important environmental and occupational safety and health messages:
 - o The Foundation of Quality
 - o What is Your Role in the Environmental Management System
 - o VPP Safety and Health Program Evaluation Process
 - o Hydration
- The *Weekly Safety Tailgate* briefing packages for May communicated relevant topics and safety information to the workforce:
 - o Fire Season Has Begun
 - o Clean Air Month
 - o Hand Safety
 - o Electrical Safety Month
 - o Fixed Ladder Safe-to-Use Determination
 - o EXPO 2013
 - o Summer Safety 2013
 - o National Bike to Work Month
 - o Respiratory Equipment Issuance for Emergency Response
 - o Changes to the Hanford Site Excavation Permit Process
 - o How to Handle Personal Use Sharps



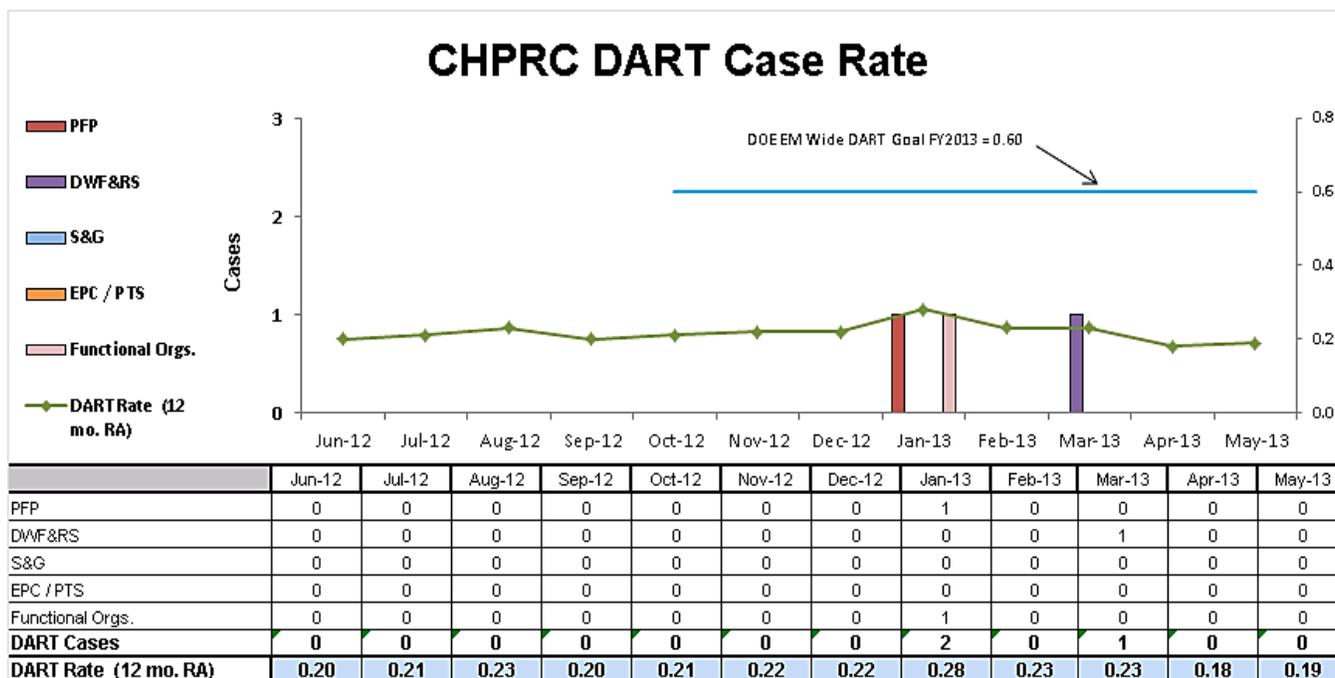
- o Underground Void Awareness
- o Asthma Awareness Month
- o Maintaining Focus When Returning To Work After Long Holidays
- o Printer Optimization
- o VPP Weekly Spotlight and other VPP messages
- o “What Would You Do? Ethics Awareness messages
- o Injury/Illness Summaries, Close Calls, and the TTZ of the week

TARGET ZERO PERFORMANCE May 2013

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



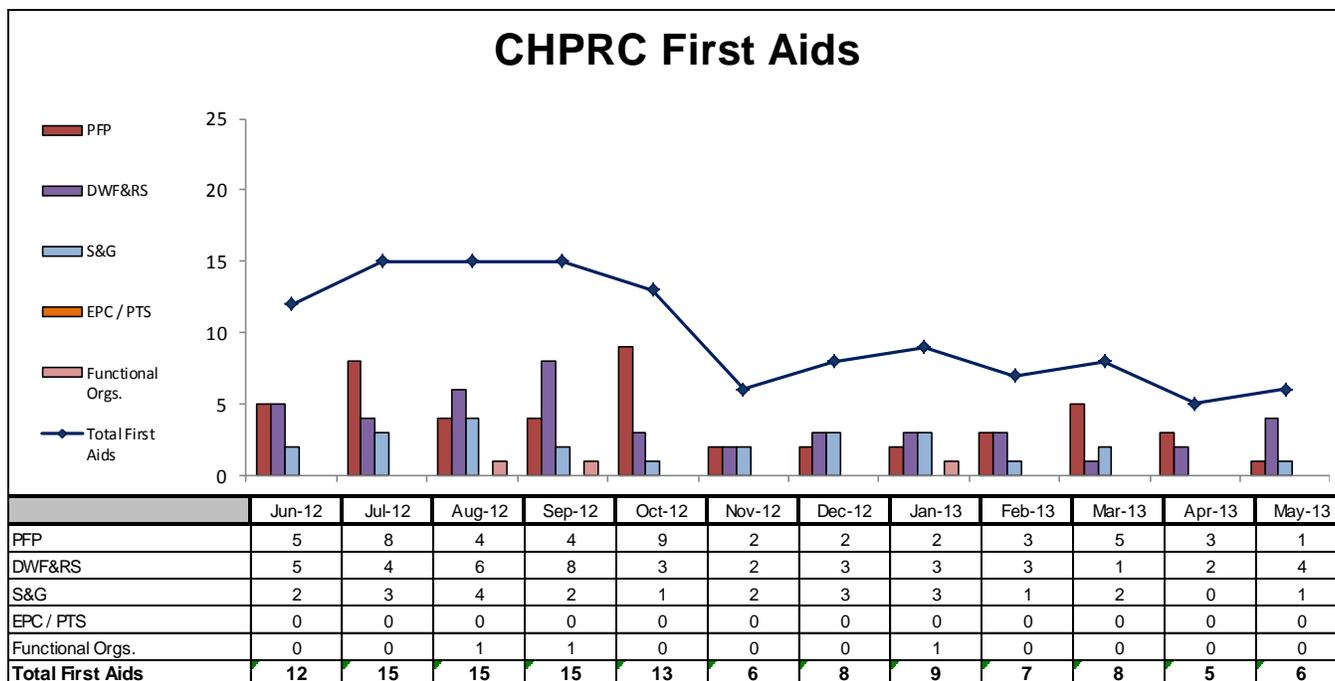
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.62 is based upon 10 recordable injuries (seven Recordable and three Day Away cases). There were no Recordable cases in May 2013. One January injury was classified as Recordable with Days Away due to surgery. There is one case currently under review. To date hours since last Recordable Case = 519,938.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.19 is based upon a total of three Day Away cases. There were no DART cases during May. To date hours since last DART Case = 626,587.

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

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



First Aid Case Summary – CHPRC reported six first-aid cases in May 2013. There were three strains, two contusions and one chemical exposure during May.

KEY ACCOMPLISHMENTS

Projects

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

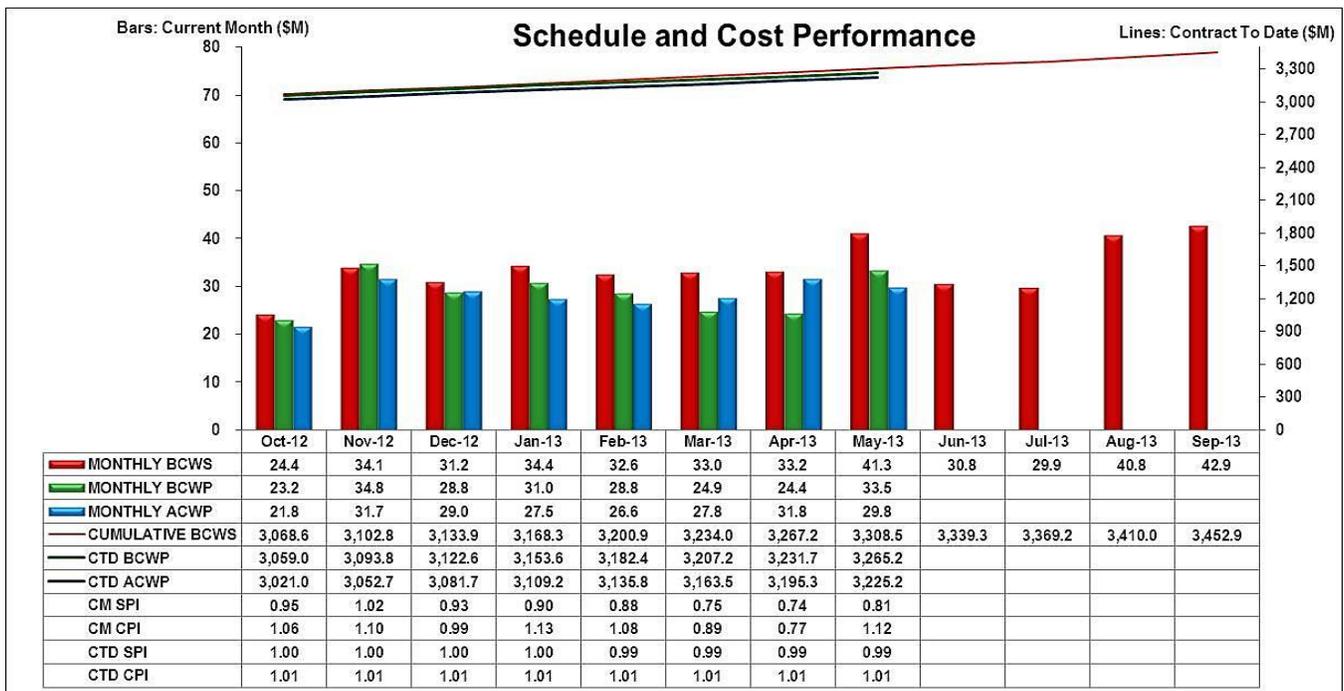
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M						\$M					\$M		
	Current Period			Contract to Date			Contract to Date			Contract Period				
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance		BAC	EAC	Variance	
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost				
RL-0011 - Nuclear Materials Stab & Disp PFP	12.0	9.7	8.6	(2.3)	1.1	610.0	586.5	608.3	(23.5)	(21.8)	940.3	1,007.5	(67.2)	
RL-0012 - SNF Stabilization & Disposition	6.6	4.3	5.1	(2.2)	(0.7)	376.8	364.5	369.6	(12.3)	(5.2)	606.5	634.6	(28.0)	
RL-0013 - Solid Waste Stab & Disposition	8.5	8.5	6.9	0.0	1.6	759.0	758.6	744.4	(0.4)	14.2	1,344.5	1,328.3	16.2	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	11.7	9.0	7.9	(2.6)	1.1	874.9	869.2	866.9	(5.6)	2.3	1,495.7	1,493.3	2.4	
RL-0040 - Nuc Fac D&D - Remainder	1.1	1.1	0.9	0.0	0.2	372.3	371.9	343.9	(0.3)	28.0	488.7	460.7	28.0	
RL-0041 - Nuc Fac D&D - RC Closure Project	1.3	0.7	0.4	(0.6)	0.3	300.5	299.4	278.9	(1.1)	20.5	467.5	449.3	18.2	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1	15.2	15.2	13.0	0.0	2.1	26.5	24.5	2.1	
(Numbers are rounded to the nearest \$0.1M)	Total	41.3	33.5	29.8	(7.8)	3,308.6	3,265.2	3,225.2	(43.3)	40.1	5,369.8	5,398.2	(28.4)	

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -\$28.4M with \$85.2M of Management Reserve for a total positive variance of \$56.8M.

Overall, the project was 18.8% behind schedule and 11% under cost in May. For FY2013, the project is 13.2% behind schedule and 1.5% under planned cost. Schedule performance in May was primarily due to:

- RL-0011 –Delayed PRF work efforts impacted by continued PRF canyon crane failure, delayed process vacuum and transfer line removal efforts, which were impacted by a stop work associated with chemical lines and reformed field teams, deferral of 242-Z D&D field work due to sequestration, Field Work Supervisor (FWS) furloughs, continued impacts due to bargaining unit

personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

- RL-0012 – Sequestration-driven suspension of Annex Construction and supporting activities.
- RL-0030 – Early completion of the NR-2 barrier work that was planned in FY2013 but completed in FY2011 and FY2012, well drilling delays for H, K, ZP-1, and M-24 wells due to sequestration impacts and chemical procurements for 200W P&T that will occur later in the Fiscal Year.
- RL-0041 – Completion of waste site planned work in a prior period coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015.

Cost performance in May was primarily attributed to:

- RL-0011 – Lower than planned cost for progress earned this period for D&D support (NDA, Project Support, and Solid Waste Operations), and for MinSafe Operations. These savings were partially offset by unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, emergent work scope for the removal of interference lines in the duct level of 234-5Z, and the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work.
- RL-0012 – Suspension of the Annex Construction project resulting in layup costs, and the planning involved in resuming construction in FY2014. Additionally, cost overruns are being experienced finalizing the ECRTS CD-2/3 package and supporting the projects PRB as resource requirements are exceeding the budget.
- 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
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	117.0	109.2	7.8
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	62.3	62.2	0.0
RL-0013	Waste and Fuels Management Project	82.7	79.3	3.3
RL-0030	Soil, Groundwater and Vadose Zone Remediation	91.8	88.8	3.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.0	12.0	1.0
RL-0041	Nuclear Facility D&D, River Corridor	9.8	8.9	0.9
RL-0042	Fast Flux Test Facility Closure	2.4	2.1	0.2
Total Base:		378.9	362.5	16.3

Funds/Variance Analysis:

FY2013 projected funding did not change in the month of May, and remains at \$378.9M.

BASELINE CHANGE REQUESTS

In May 2013, CHPRC approved and implemented one (1) BCR. The change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for May 2013		
BCR-030-13-013R0	<i>100-BC-5 Wells and Aquifer Tubes</i>	This BCR adds work scope to the PMB to install up to 11 new wells, install associated monitoring network, and perform sampling as specified by TPA Change Notice Numbers 558 and 559.

Overall, the contract period Performance Measurement Baseline budget increased \$3,266K in May 2013.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	<i>No Management Reserve Activity in May 2013</i>	N/A	N/A
No change in Management Reserve in May 2013			

Fee Activity

No change in contract period Fee budget for May 2013.

See the Format 3 Report in Appendix A for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The PMB values of change requests processed in May 2013 are summarized by fiscal year in the tables below (dollars in thousands):

May 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
April 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	405,434	3,449,670	1,916,847	5,366,517	5,366,517
MR	0	0	0	0	2,782	2,782	82,439	85,221	85,221
Fee	39,712	48,772	32,322	17,023	13,112	150,941	76,751	227,692	227,692
Total	693,138	1,008,790	1,034,427	445,711	421,328	3,603,393	2,076,037	5,679,430	5,679,430
May 2013 Change									
PMB									
Change to PMB	0	0	0	0	3,266	3,266	0	3,266	3,266
MR									
Change to MR	0	0	0	0	0	0	0	0	0
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	0	0	3,266	3,266	0	3,266	3,266
May 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	408,700	3,452,936	1,916,847	5,369,783	5,369,783
MR	0	0	0	0	2,782	2,782	82,439	85,221	85,221
Fee	39,712	48,772	32,322	17,023	13,112	150,941	76,751	227,692	227,692
Total	693,138	1,008,790	1,034,427	445,711	424,594	3,606,659	2,076,037	5,682,696	5,682,696

Changes to/Utilization of Management Reserve in May 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
April 2013 MR Totals								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
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	99	99	14,733	14,832
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	2,782	2,783	82,439	85,221
May 2013 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
May 2013 MR Totals								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
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	99	99	14,733	14,832
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	2,782	2,782	82,439	85,221

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 -5/31/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,060,576,804
				Bal remaining to award =	\$463,906,391
	\$	%	Goal	Goal award \$	Bal to goal \$
SB	\$1,005,097,469	48.78%	49.30%	\$1,244,570,215	\$239,472,746
SDB	\$178,447,820	8.66%	8.20%	\$207,007,622	\$28,559,802
SWOB	\$197,803,425	9.60%	7.50%	\$189,336,240	(\$8,467,185)
HUB	\$46,690,623	2.27%	2.20%	\$55,538,630	\$8,848,007
VOSB	\$114,234,509	5.54%	3.50%	\$88,356,912	(\$25,877,597)
SDVO	\$54,619,135	2.65%	1.30%	\$32,818,282	(\$21,800,853)
NAB	\$30,040,209	1.46%	N/A	* 10-year subcontracting projection	
Large	\$562,069,676	27.28%	N/A		
GOV'T	\$2,073,309	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOV'T CONT	\$487,805,989	23.67%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$88,944	0.00%	N/A	Total Contract Price:	\$5,679,329,866
NONPROFIT	\$3,202,245	0.16%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$235,796	0.01%	N/A	SB Awarded:	\$1,005,097,469
Total	\$2,060,576,804	100.00%	N/A	Balance to Requirement:	(\$39,611,392)

Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.06B in goods and services with over 48.8% going to small businesses. All subcontracting sub-goals have been exceeded. CHPRC was on track to meet the 49.3% overall goal prior to Sequestration impacts.
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)



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May 2013
CHPRC-2013-05, Rev. 0
Contract DE-AC06-08RL14788
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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	3	183 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	84 ft.	17,491 feet
Process Vacuum Piping Dispositioned	48	2,545 feet
Process Transfer Line Dispositioned	88	1,033 feet
Pencil Tank Units Removed	-	110 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	- m ³	38 m ³
TRU/TRU-M Shipped	4 m ³	1,180 m ³
LLW/MLLW Shipped	20 m ³	4,089 m ³

- There were no lost or restricted workday cases this period.
- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. In Room 228B, three gloveboxes (HC-15A, HC-15B, and HC-15C) and conveyor HC-1E were removed. They are being held in Room 228B, pending wall modifications, at which time they will be turned over to Solid Waste Operations for loading into a Type A waste container. The total gloveboxes removed to date is now at 79 percent complete. In Room 235-A2, the E4 exhaust ventilation ducts were removed from the eight gloveboxes, the specialized “roller jacks” were installed under the gloveboxes, and lifting tables were installed under gloveboxes HA-14CC and HA-3C. In Room 227, isolation of mechanical lines to glovebox HC-227S was completed. In Room 166, the 26-inch vacuum piping associated with gloveboxes HC-6/HC-4/H1 and the sump-waste process transfer piping running between gloveboxes HC-4 and HC-6 were removed.
- Due to interferences, work associated with disposition of process lines was minimal. Water lines were drained, which will allow removal of 26-inch process vacuum and process transfer lines to proceed. The project removed 84 feet of asbestos.
- Draining of the next chemical feed line commenced, while an alternate vacuum application methodology was mocked up and tested to improve field performance.
- Canyon entries were performed to complete repairs to the hoist motor. After functional testing, the crane was returned to service on Monday, April 29.
- Due to the plutonium inventory of Pencil Tank Assembly 126 (Tank 126), Nondestructive Assay (NDA) of several of the Miscellaneous Material Containers (MMCs) containing the Tank 126 segments was performed. NDA was then completed on the Tank 126 strongback. On Tuesday, April 30 during transfer of the Tank 126 strongback to the canyon wall, the hoist functions stopped working. The fuses for the hoist were blown, trolley and bridge functions continued to operate troubleshooting was initiated, and preparations for canyon entries to repair the crane were completed.
- Time delay fuses were installed and the Pencil Tank Assembly 126 strongback put back in place in the maintenance cell wall. The crane was relocated over the maintenance platform for repairs.
- A canyon entry to initiate repairs to the crane was completed on Thursday, May 23. No obvious electrical problems with the hoist were noted during the entry. Troubleshooting inside the canyon identified that the electrical brake was not functioning properly. The friction discs can be moved by

hand. Additional canyon entries are planned to replace the electric brake and change the load brake oil.

- Equipment removal has been completed in the first east gallery glovebox. Removal of the remaining equipment in the second east gallery glovebox resumed.
- An additional field work team is transitioning to PRF and will initiate removal of the equipment from the Miscellaneous Treatment (MT) glovebox.
- CHPRC and RL partnered on a study to advance a strategic path forward to achieve the PFP Slab on Grade milestone by 2016. Three major breakthrough initiatives and several standalone action items were identified.

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	6/27/13	90%
		Implement better controls for PFP's 212-Z Lag Storage by requiring disposition identification and appropriate coordination completion prior to storage at 212-Z	Revise PFP procedures to implement improved excess processes at PFP and 212-Z Lag Storage	9/30/13	0%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	48	<ul style="list-style-type: none"> 5/15/2013 – Employee experienced strain in right shoulder (23064)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Final approval of the 2012 annual update of the HNF-11724 CHPRC Safety Management Programs, which are part of the PFP Safety Basis, was received from RL on April 16. A PFP specific implementation plan has been approved and is in progress.
- 291-Z Exhaust Fan (EF) Maintenance
 - o Completed EF-5 fan bearing replacement, final adjustments, and returned to service. Vibration has been reduced to acceptable levels.
 - o Completed replacement of EM-5 motor bearings.
 - o Completed installation of exhaust fan motor grease fittings.
- Continued development of seven new/revised preventive maintenance procedures as part of the implementation effort for the Enhanced Maintenance Plan (Rev 0).

11.05 Disposition PFP Facility

Remote Mechanical A and C Lines (RMA/RMC)

- In Room 228B, the following activities were completed:
 - Removal of the E4 exhaust to gloveboxes HC-15A, B, and C;
 - Removal of floor obstructions under HC-15A,B,C and installation of steel plates under these gloveboxes was performed to allow glovebox movement over pipe tunnels;
 - Installation of two gantry cranes, two lifting beams, and two specialized lifting saddles for gloveboxes HC-15A,B,C removal, and
 - Removal of gloveboxes HC-15A, B, C and conveyor HC-1E.
- In Room 235A-3, the removal, size reduction, packaging, sealout, and replacement of two high holdup glovebox exhaust filters on the top level of glovebox HA-9A was completed.
- In Room 235A-2, the following activities were completed:
 - Removal of the E4 exhaust ventilation ducts to the eight gloveboxes in Room 235A-2;
 - Installation of specialized “roller jacks” under the gloveboxes, and
 - Installation of lifting tables under gloveboxes HA-14CC and HA3C.
- In Room 227, the isolation of mechanical lines to glovebox HC-227S was completed.

Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
 - o Completed removal of 26-inch vacuum piping associated with Gloveboxes HC-6/HC-4/H1.
 - o Drained the process transfer line running between Gloveboxes HC-4 and HC-6 in preparation for removal of that line.
 - o Removed the sump-waste process transfer piping running between Gloveboxes HC-4 and HC-6.
 - o Commenced cleanout of miscellaneous equipment from Glovebox HC-4.

Disposition PFP (234-5Z) Facility

- A total of 2,545 feet of 26 inch Process Vacuum lines has been cut, size reduced and dispositioned.
- Dispositioned a total of 1,033 feet of transfer lines. In addition to removal of non-asbestos insulation supporting contaminated line removal, 84 feet of asbestos was removed and dispositioned. A total of 17,491 feet of asbestos has been removed to date.

Chemical Mitigation

- Commenced draining of the second chemical feed line.
- Mocked up and tested alternate vacuum source to improve field efficiency.
- Continued planning for draining of an additional 26 chemical feed lines.

Plutonium Reclamation Facility (PRF)

- Repairs to the canyon crane were completed and the crane was returned to service on April 29.
- During transfer of the Tank 126 strongback to the canyon wall, the up and down function on the hoist failed. Troubleshooting was initiated.
- Fabrication of festoon cable trucks (trolleys) for replacement festoon cables was initiated.
- Removal of the pencil tank assembly safety plates continued in preparation for transfer of the assemblies to the maintenance cell. Eight plates remain to be removed.
- Began transition of a new field work team to PRF.
- Completed equipment removal in the first east gallery glovebox.
- Removal of the remaining equipment in the second east gallery glovebox resumed.

Special Projects

- CHPRC and RL partnered on a study to advance a strategic path forward to achieve the PFP Slab on Grade milestone by 2016. Three major breakthrough initiatives and several standalone action items were identified.

MAJOR ISSUES

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

Corrective Action – Over 80 accessible chemical lines have been ultrasonically tested to determine if they need to be drained. Engineering completed a draft list of chemicals that may have been used in the lines. Controls have been released for hazards associated with the identified chemicals. The initial work package has been released and initial draining of the first chemical feed line was completed. Lessons learned from this effort were incorporated and planning continued for 26 additional draining efforts.

Issue – On February 20, 2013, during Nondestructive Assay (NDA) of the Tank 126 segments, the crane hoist raising and lowering function failed. Smoke was observed coming from the hoist cover plate. The other crane functions continued to operate normally. It appears that the recently installed sprocket may

have worked off the drive shaft and is rubbing against the cover plate causing it to heat up and the paint to smoke.

Corrective Action – Canyon entries were performed to completed repairs to the hoist motor. On April 29, 2013, after functional testing was completed, the crane was returned to service.

Issue – Nondestructive Assay (NDA) of several of the Miscellaneous Material Containers (MMCs) containing the Tank 126 segments was performed. NDA was then completed on the Tank 126 strongback. On April 30, 2013, during transfer of the Tank 126 strongback to the canyon wall, the hoist functions stopped working. The fuses for the hoist were blown and the trolley and bridge functions continued to operate.

Corrective Action – Troubleshooting was initiated. Preparations for canyon entries to repair the crane were completed. Time delay fuses were installed and the Pencil Tank Assembly 126 strongback put back in place in the maintenance cell wall. The crane was relocated over the maintenance platform for repairs. A canyon entry to initiated repairs to the crane was completed on Thursday, May 23. Activities to repair the canyon crane are continuing.

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 Cleanup/Decon Required	Develop and implement a detailed process facility characterization plan into the field execution schedule. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. 243-ZA characterization is complete pending final reports. Work is continuing in A-Labs and work packages are being accelerated to perform work 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.			Teams completed the installation of the damaged shaft and returned the care to service. During field work activities additional issues were discovered with the fuses causing the cranes hoist to fail when performing Z motion (up and down). Efforts are underway to troubleshoot fuses and to replace festoon cables. Planning is underway to place a contract to help assist in troubleshooting the crane and procure a new motor.
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 May to work on scope to further mitigate potential impacts in the future (Rev.0). JCO was also submitted to DOE, and discussions are still pending on future mitigation efforts. Communications continue to identify risk acceptance on fan repairs and near term filter replacements (i.e. 309 filters)
PF0-008: 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.			<u>234-5Z</u> - 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. <u>291-Z</u> - 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.
PF0-080 – 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, and additional meetings will be held to address lines that have little hold up.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PPF-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.
PPF-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 to "hands on tools" primarily impacts near-term scope in RMA/RMC.
PPF- 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 for to extend respiratory protection time and expected to have an answer by no later than July. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning is under way, 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.			Final FY2013 Sequestration impact letter is being drafted. 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	12.0	9.7	8.6	(2.3)	-19.4%	1.1	11.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$2.3M/-19.4%)

The unfavorable schedule variance is attributed to process vacuum and transfer line removal field work teams reassigned to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferred due to Sequestration, and Field Work Supervisor (FWS) furlough. In general, the fallout from ongoing HAMTC negotiations continues to impact completion of work scope, due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

CM Cost Variance: (+\$1.1M/+11.2%)

The favorable cost variance is the result of D&D support and MinSafe Operations actual cost running below plan, primarily due to limited overtime being worked. This is offset by unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, emergent work scope for the removal of interference lines in the duct level of 234-5Z, and the inability of D&D field work teams to work as planned (discussed above), combined with a limited ability to reassign resources to other work. The D&D support services (NDA, Project Support, and Solid Waste Operations) earned progress this period based on planned values.

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	610.0	586.5	608.3	(23.5)	-3.8%	(21.8)	-3.7%	940.3	1,007.5	(67.2)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$23.5M/-3.8%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$21.8M/-3.7%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$67.2M/-7.2%)

The variance at completion is primarily a result of FY2013 Sequestration impacts to D&D work scope and extending Level-of-Effort and support services, consistent with delayed activities, in support of completing TPA Milestone M-083-00A. Work scope added to complete chemical mitigation efforts, which is not part of the baseline, and prior year unrecoverable costs also contribute to the variance. The project is advancing a strategic path forward to bring the slab-on-grade completion date back to 2016. Any schedule recovery will reduce the unfavorable variance at completion.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period. The EAC changes from April to May are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	117.0	109.2	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, that 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, the final two filter banks will be removed, after which, 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

None identified at this time.

MILESTONE STATUS

None identified at this time.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

May 2013
CHPRC-2013-05, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The Preliminary Documented Safety Analysis (PDSA) and its supporting documents were in the final comment incorporation and integration phase at the end of this reporting period. Various documents supporting the PDSA were issued during the month, including the Criticality Safety Evaluation Report, the Fire Hazards Analysis (FHA), and the Accident Analysis. The Critical Decision Document was in the approval process in preparation for release.
- The Engineered Container Retrieval and Transportation System (ECRTS) design team continued working to incorporate the Review Comment Record comments from the ECRTS process system “delta design review” on the Critical Decision (CD)-2/3 Report Package. The plan is to complete comment incorporation and approve the majority of the final design package in late (calendar) May. A few subcontracted calculations will still be outstanding, resulting in the need to “punchlist” these design documents going into the CHPRC Project Review Board (PRB) assessment. This technical information, coupled with the updated project cost, schedule, and risk management information are the critical inputs into the ECRTS CD-2/3 Package. The CHPRC PRB is scheduled to be initiated on June 4, 2013.
- Work on the Integrated Process Optimization Demonstration (IPOD) continued with foam injection into decant floats for the Sludge Transfer Storage Cask (STSC) and fabrication of the STSC bubble buster fin, preparations for the bubble buster fin installation into the STSC, performance of control system loop checks and loop calibrations, as-built drawing review of the modified test article transfer and decant boxes, and IPOD procedure development. The IPOD is currently scheduled to commence in June.
- Due to sequestration, Annex construction has been suspended. The construction contractor has been demobilized and the site has been placed in a safe and stable state pending the resumption of work.
- The delivery, receipt, and safe storage of project materials for the Annex continued this month with the receipt of several shipments of structural steel material. The final shipment of project materials will be the fabricated structural embeds for concrete, which are expected to be delivered by the end of the calendar month.
- A detailed construction lay-up report has been prepared, reviewed, and is out for approval. The report documents the construction completion status at the time of work suspension and will be used to establish the starting point for the resumption of construction.
- As part of the restart preparation activities, a constructability review of the remaining Annex construction work has been underway this month. The constructability evaluation will support future construction execution efficiency improvements. An interactive review matrix was developed to aid in the constructability review and is being used by the construction team.
- The constructability review kick-off is scheduled for the week of June 3, 2013, with a follow-up workshop to be held in late June for review and resolution of findings. The review will include CHPRC, the primary construction subcontractors, and constructability subject matter experts, and will focus on the Annex design for the balance of construction. A review of the revised construction schedule will also be included to explore opportunities for improvements. This constructability evaluation and reconciliation will support future construction execution efficiency.
- An extensively re-planned construction schedule was received from the construction subcontractor late this month and underwent review and evaluation by CHPRC construction personnel. Numerous options for improvements were identified and evaluated.
- A review of the draft Project Definition Rating Index self-assessment was completed early this month. The self-assessment will be included in the CD-2/3 submittal report as an appendix. It will also be subject to review during the PRB scheduled to start on June 4, 2013.
- The hazards analysis, accident analysis and streamlining of the Facility Safety Analysis Report (FSAR) were prepared along with the Technical Safety Requirements revision to be submitted as part

of the next annual update due the end of May. A criteria document has also been prepared. Revision of the FHA is being prepared in support of FSAR streamline submittal.

- The Cold Vacuum Drying Facility (CVDF) is now the 142K Maintenance Facility. Maintenance has been moved into the facility and Operations has moved out. Operations will continue to support remaining activities, including completing the deactivation of the Safety Class Instrumentation Control System (SCIC), and the Vacuum Purge Chilled Water System, the Helium Ground Unit to be returned to the Vendor, and shipping the Polar Tanker.
- Work completed this month at the 142K Maintenance Facility included returning the deionized water equipment to Siemens and deactivating and decontaminating the Process Water Conditioning. Work was also started to deactivate the SCIC System. CVDF worked six work packages during the month including lockout/tagout support, Preventive Maintenance, and calibrations of HEPA/stack equipment, as well as routine work packages and field walk downs that support the CVDF step down.
- The transmittal to RL for initiating Washington State Department of Ecology actions associated with the termination of the current CVDF Air Permit, by submitting a Notice of Transfer for removing the CVDF from the Hanford Air Operating Permits, was in internal concurrence at the end of the reporting period.
- The RL and EPA Project Managers Meeting (PMM) was held at 100K. A TPA change notice was presented to revise the Remedial Design/Remedial Action Work Plan for the deactivation of the K West Basin to delete the second retrieval of sludge from the settler tanks scope. The EPA requested a copy of the calculation cited as a reference and a basis for the change. In response to questions on the disposition of the spent nuclear fuel discovery in the basin, status of the near-term characterization effort was provided. This will be a topic in future PMMs.
- The calculation of K West Basin floor and pit sludge activity is being prepared incorporating the results of sludge depth measurements performed by 100K Operations. The results will become the basis for the planned update of the Environmental Restoration and Disposal Facility compliance calculation.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB1-T1	Reduce the generation and/or waste at the source.	Identify a new mission for the Cold Vacuum Drying Facility (CVDF).	9/30/13	89%
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	70%

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	1	15	5/20/13 - Employee was carrying instrument bag and developed pain in back. Body part affected: Thoracic Spine (23073)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

The CVDF has been designated the 142K Maintenance Facility, and Maintenance has assumed occupancy while the remaining “step down” activities are completed by Operations.

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-012/WBS 012				
STP-007 Competing Priorities	Develop detailed working schedules and institute interface meetings to communicate priorities and progress. Overtime used to mitigate impacts of schedule delay.	●	↑	Reporting on this risk will be discontinued
STP-002: STP Uncertainties	The majority of the risk mitigation strategy has been completed; only Integrated Process Optimization Demonstration (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.	●	↔	Project team preparing for CD 2/3 review and approval. PRB to review information in early June.
STP-ANX-008: Design Changes Result in ECRS Installation Delays	Maintain rigorous control of design specifications. Streamline approach for addressing contractor submittals and RFI's to acknowledge and minimize design changes. Communicate regularly with stakeholders (DOE, contractors, and CHPRC organizations) regarding impacts and potential changes.	●	↔	Revised Contracting Strategy – Risk items included in STP-107 and Risk Impacts to be reported in FY2015.
STP-ANX-001: Annex Subcontract Change Orders/Claims	Prepare accurate Functional Requirements and SOW. Monitor Subcontractor activities and identify problem areas. Develop an efficient approach for handling contractor submittals and RCI's.	●	↓	Closed and revised risk for status of project at CD 2/3 – See STP-ANX-024.
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 ECRS 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 DOE-RL in July of 2013. Early procurements of SSC's may be initiated at a higher safety/quality level.	●	↔	PDSA progressing and scheduled submittal in July 2013. Annex Ventilation and Fire systems considered for early procurement at a higher quality level. Continuing to evaluate strategies reduce SSC Safety Classification for out-year procurements.
STP-102: Fuel Discovered in K-West Basin	K-West Basin was inspected during a campaign in 2011. The results of the inspection determined "Reasonable Assurance" to meet the end-point criteria. If items are discovered, the items will be evaluated and dispositioned.	●	↔	Continuing ongoing evaluation of items in KW Basin. Risk Transferred to KBC-092 for disposition prior to or during basin closure in FY2017/FY2018

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.			New risk to reflect revised contracting strategy for CD 2/3 Submittal.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC Senior Management will meet with Senior DOE RL Program Management and the DOE RL Contracting Officer to discuss the basis for CHPRC proposing the revised contracting approach and reach agreement on how the Annex construction will be resumed.			New risk to reflect revised contracting strategy for 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.			New risk to reflect revised contracting strategy for CD 2/3 Submittal
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.
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	6.6	4.3	5.1	(2.2)	-34.0%	(0.7)	-17.0%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$2.2M/-34.0%)

The current month negative variance is primarily due to suspension of the Annex Construction Project early in March as a result of sequestration funding cuts.

CM Cost Performance (-\$0.7M/-17.0%)

The current month negative variance was primarily driven by the suspension of Annex construction and the costs associated with planning the resumption of the work in FY2014.

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	376.8	364.5	369.6	(12.3)	-3.3%	(5.2)	-1.4%	606.5	634.6	(28.0)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$12.3M/-3.3%)

The CTD schedule variance is driven by delays in the Annex Construction largely impacted by contractor issues, design issues and the quality stand down and more recently with the suspension of construction activities due to Sequestration.

CTD Cost Performance (-\$5.2M/-1.4%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

The current EAC reflects the cost estimate for the detailed schedule that has replaced previous planning packages in the project baseline. It reflects a cost estimate increase for expanded durations to complete in-basin construction and readiness activities.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	62.3	62.2	0.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

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

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



L. T. Blackford
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May 2013
CHPRC-2013-05, 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. Canister Storage Building (CSB) completed a four-year fire damper inspection and a six-month Interim storage area (ISA) special nuclear material inventory. Central Waste Complex (CWC) decontaminated/ removed radioactive bird waste from Trench 94 in Low-Level Burial Ground (LLBG) 12B. CWC supported environmental tour for the Japanese Ministry that included several RL and Pacific Northwest National Laboratory (PNNL) sponsors. Liquid Effluent Facilities (LEF) processed 592k gallons of Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal (KPG) of 7M gallons (3.55M gallons FYTD). LEF received (calendar year [CY]) 31 tankers, 121k gallons. 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	1	N/A
First Aid Cases	3	19	<ul style="list-style-type: none"> 5/15/13 – Employee was assisting in repairing a blockage in chemical line and began experiencing throat irritation, dizziness and headache due to reported exposure. Body part affected: Respiratory (23063) 5/22/13 – Employee got foot caught up in a rope while stepping over it causing employee to fall. Body part affected: Nose & Knees (23075) 5/28/13 – Employee was reaching overhead to manipulate a valve when worker felt pain in shoulder. Body part affected: Shoulder (23076)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued discussions with RL of multiple Potential Notification of Changes
- Continued coordination and development of Sequestration impacts
- Initiated activities for Annual Performance Measurement Baseline Update

13.02 Capsule Storage & Disposition

- Completed modification to replace the air compressor exhaust hood with a powered ventilator to lower air compressor operating temperatures
- Completed repairs and placed air compressor #2 back into service
- Performed monthly run of 225BG-GEN-1 diesel generator
- Resumed work on the new chemical addition system for 225BC cooling tower by extending a concrete pad for drum receipts.
- Successfully conducted Incident Command Post (ICP) drill. This was the start of scheduled drill activities in preparation for the August site-wide exercise
- Completed three month vibration analysis on the supply fans, exhaust fans and pumps
- Supported Project Technical Services for vendor pre-bid walk down for WESF roof repairs
- Completed the annual Stack Sample Line/Probe inspection which supports the As Low As Reasonably Achievable Control Technology (ALARACT) Demonstration requested by the WDOH by May 31, 2013.

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program
- Completed four-year fire damper inspection
- Completed annual sample cart Office of Civilian Radioactive Waste Management (OCRWM) pressure (five) and temperature (two) instrument calibrations
- Completed annual RAD-Vault inspection
- Completed air handler AH-002 High Efficiency Particulate Air (HEPA) and pre-filter replacement
- Completed annual North Vestibule telescoping door inspection
- Completed six-month ISA special nuclear material inventory
- Completed annual fire water pump house flow indicator and tank level transmitter calibrations
- Completed annual CSB fire alarm and Fire Alarm Control Panel (FACP) inspection and tests
- Completed quarterly air compressor and exhaust fan motor temperature and vibration analysis

13.07 WRAP

- Returned all Washington Closure Hanford (WCH) Non-Destructive Assay (NDA) field test equipment to WCH. Returned the 2336W shipping and receiving bay to as found conditions and down posted from Radioactive material area (RMA) to non-radiological postings.
- Completed NDA field testing of the In-situ Object Counting System (ISOCS) with WCH in the 2336W shipping and receiving bay. Both test drums are complete and WCH's test accuracy was well within the acceptance criteria for their equipment.
- Completed 21 Technical Safety Requirement (TSR) surveillances
- Completed 19 Preventive Maintenance (PM) packages
- Completed 79 Radiological (Rad) surveillances
- Completed 36 Operational surveillances
- **Shipments**
 - o Shipped three waste drums containing contaminated drum hauler components from 2404WB to Perma-Fix Northwest (PFNW) for treatment
 - o Shipped one drum of low-level waste to the Environmental Restoration Disposal Facility (ERDF) for disposal

13.08 T Plant

- On May 17, 2013, an employee reported the overhead steam line support near MO-459 appeared to be canted due to one pole shorter than the other. Access underneath the steam line was blocked off until engineering completed an evaluation, which determined the poles and steam line are stable. Pictures as far back as 1998 show the steam line and poles at this same position. The restriction/barricades were removed and a Condition Reporting and Resolution System (CRRS)

was initiated. An inspection/measurement will be initiated to periodically monitor to ensure there is no movement/subsidence of the support pole

- Notified of multiple trouble alarms from the 2706T Fire Annunciator Panel (FACP). Hanford Fire Department (HFD) locked-in a spare zone to stop the multiple and intermittent alarms and issued a fire system restriction. Fire System Maintenance, working with the T Plant Fire System Engineer, issued a work package to troubleshoot and repair the system. Until the system is repaired the FACP panel watch will be performed at start and end of scheduled shifts, and once per day on holidays.
- Prepared and resealed 211T Cage Resource Conservation and Recovery Act of 1976 (RCRA) storage area floor
- Completed five TSR surveillances
- Completed 23 PM packages
- Completed 312 Rad surveillances
- Completed 223 Operational surveillances
- **Shipments**
 - o Shipped one drum of recyclables to the Centralized Consolidation/Recycling Center (CCRC)

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

- Decontaminated/removed radioactive bird waste from Trench 94 in Low-Level Burial Ground (LLBG) 12B. Contaminated bird waste was discovered outside of the established Soil Contamination Area (SCA). Affected area is appropriately posted until cleanup is complete.
- Completed changing out Tritium exit signs in the 2402-W series buildings
- Supported the environmental tour of CWC for the Japanese Ministry that included several RL and Pacific Northwest National Laboratory (PNNL) sponsors. The Japanese Ministry was interested in how CWC managed packaged waste and how waste is dispositioned to final disposal. They also expressed interest in how transuranic waste is shipped and disposed at the Waste Isolation Pilot Plant (WIPP).
- Placed waste containers WH77-803 and Z73-1-17 in overpacks (20' connex and 212N Crate respectively) in the outside storage area
- Performed erosion repairs on trench entrance ramps in 4C Burial Ground with a heavy equipment operator
- Completed 16 TSR surveillances
- Completed 23 PM packages
- Completed 214 Rad surveillances
- Completed 77 Operational surveillances
- **Shipments**
 - o Received 18 drums of Transuranic Mixed (TRU/M) waste from the Plutonium Finishing Plant (PFP) Facility and placed into Central Waste Complex (CWC) storage
 - o Received three Standard Waste Boxes (SWBs) of TRU/M waste from the PFNW Facility and placed into CWC storage (PFP glovebox size reduction waste)
 - o Received eleven TRU/M waste from PNNL and placed into CWC storage
 - o Shipped four boxes of excessed fire extinguishers from CWC to excess

13.11 Liquid Effluent Facilities (LEF)

- Processed 592K gallons of Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal of 7M gallons (3.55M gallons FYTD)
- Received (calendar year [CY]) 31 tankers; 121k gallons
- Treated effluent to State-Approved Land Disposal Site: 0 gallons (1.46M CY)
- Discharged 1.91M gallons (8.01M CY) at 200A Treated Effluent Disposal Facility (TEDF)

- Received Environmental Restoration Disposal Facility (ERDF) leachate (147k gallons) at LERF Basin 44 (0.72M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 67k gallons
- **Operations Activities**
 - Initiated second set of bench scale testing for chromium stabilization at Waste Sampling and Characterization Facility laboratories
 - Completed maintenance outage with the exception of the drum fill head for the Thin Film Dryer (TFD)
 - Completed restart paperwork for the Main Treatment Train and the Evaporator. Processed Basin 42 waste water.
 - Received 20 customer waste water drums which will be added to concentrate tanks for processing through the TFD
 - Continued receiving Mixed Waste Trench leachate tankers
 - Continued receiving perched water tankers from BP-5
- **Maintenance Activities**
 - Replaced Ultra Violet/Oxidation (UV/OX)-1 ballast #3
 - Completed repairs to the compressed air system (five pressure safety valves, one pressure control valve and minor leaks).
 - Replaced failed pressure control valve on the seal water system
 - Completed Five Year Fire Damper Inspections
 - Repaired second Reverse Osmosis (RO) Feed Pump (60F-P-2B)
 - Repaired Evaporator Silencer Drain Valve (AOV-60I-262)
 - Repaired Hydrogen Peroxide pump (60D-P-1B) and check valve (60D-241)
 - Changed filters throughout the plant to maintain processing
 - Influent, Auxiliary, Peroxide Destruction Module, Clean-In-Place
 - Performed chemical cleaning of the fine filters
 - Submitted work documents to the Hazard Review Board (HRB) committee for High Radiological Work to install the TFD drum fill head assembly; Entered TFD room for critical data to support planning.
 - Completed instrument calibrations to support restart of the Main Treatment Train and Evaporator
- **Liquid Effluent Retention Facility (LERF) Basin activities**
 - **Basin 44**
 - Continued with surveys/posting verification activities
 - Completed weekly and monthly inspections with no cover breaches identified
 - Installed 900 feet of wind screen material on north side of the outer LERF perimeter fencing
 - Transferred 40,000 gallons of water from Basin 44. Water was added to support vegetation removal
 - Moved 85% of the vegetation from the middle to the Basin edge for removal
 - Decanted water from four totes containing removed soil and completed waste stabilization. Totes were shipped to ERDF for disposal
 - Completed filter changes to support continued water removal
 - Set up clean water source as alternative for wild life
 - Supported a level 2 inspection from the Washington Department of Health (WDOH) at the LERF Basins. No issues were identified. WDOH requested and was supplied information from the air samplers located at the Basins.
 - **Basin 43**
 - Completed fabrication of equipment and work documents for using additional floating pump assembly for Basin 43 water removal.

- o **Basin 42**
 - Received ERDF Roll On/Roll Off (RO/RO) for bulk vegetation removal. Modified operating procedure for use of RO/RO at LERF.
- 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 five TSR surveillance
 - Completed 16 Radiological
 - Completed five Operational surveillances
 - o **Shipments**
 - Shipped two drums of MLLW from the 3A LLBG to PFNW for treatment
 - Received seven drums and four boxes from PFNW and disposed into Trench 31

MAJOR ISSUES

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

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

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

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-007: ERDF WAC Revised	Provide budget for waste treatment and disposal to ERDF. Package and deliver waste in accordance with ERDF waste profiles. Waste profiles are assumed to be compliant with ERDF WAC			ERDF WAC is in final approval stages. Preliminary analysis does not represent a change. More detailed review will follow upon final revision and evaluate additional contractual or risk issues.
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.			CHPRC continues to negotiate with the Washington State Department of Ecology regarding the waste that is currently stored at the Hanford Site. However, negotiations may result in an Agreed Order that directs changes to how waste is managed at the Hanford Site.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY2013 or beyond.
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"> Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area. LERF cover cleaning and inspection continuing. Thin-Film Dryer rotor repairs ongoing. Continuing to experience greater than planned maintenance at ETF and LERF. CWC Risk – Increased inspections regarding the roof and fire suppression system at CWC.
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"> Effectiveness Review from DNFSB audit from June 2011 is continuing. Washington Department of Ecology performed inspection of CWC on September 17. Working with RL on Agreed Order OIG is leading an audit of WESF
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 are partially offsetting planned efficiencies.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014

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	8.5	6.9	0.0	0.4%	1.6	18.8%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$0.0M/+0.4%)

The current period schedule variance is within threshold.

CM Cost Performance (+\$1.6M/+18.8%)

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

Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	759.0	758.6	744.4	(0.4)	-0.1%	14.2	1.9%	1,344.5	1,328.3	16.2

Numbers are rounded to the nearest \$0.1M

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

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$14.2M/+1.9%)

The favorable cost variance is within reporting threshold.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from April to May are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	82.7	79.3	3.3

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. May Spending Forecast reflects reduction per Sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

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

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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May 2013
CHPRC-2013-05, 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 May includes the following:

- 23.8M gallons groundwater treated by KX treatment facility
- 12.4M gallons groundwater treated by KW treatment facility
- 13.2M gallons groundwater treated by KR-4 treatment facility
- 27.8M gallons groundwater treated by HX treatment facility
- 24M gallons groundwater treated by DX treatment facility
- 82.9M gallon groundwater treated by 200W treatment facility
- 184.9M gallons of groundwater treated total

Sampling	May	FY2013 Cumulative
Well Sampling Events	200	1,540
Aquifer Tube Sampling Events	38	423
Total Number of Sampling Events	238	1,963
Samples Collected	1,030	7,136
Analyses Performed	1,527	15,012

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 50%
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	On schedule
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	1,249M Gallons treated through 5/31/13
13-EMS-SGWR-OB4-T1	Improve worker awareness of the CHPRC Environmental Management System (EMS)	Provide CHPRC EMS worker awareness training to S&GRP staff, to include: CHPRC Environmental Policy, each person's role in the EMS, S&GRP contributions to the EMS, and identification of key CHPRC programmatic and project environmental points-of-contact.	9/30/13	On schedule

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	Progress at 50%
13-EMS-SGWR-OB5-T1	Reduce the generation and/or toxicity of waste at the source	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under SGWR management control.	9/30/13	On schedule
		This target will be met upon completion of the proposed actions. Progress will be tracked based on 50% for each completed action.	Monthly	Ongoing Progress at 67%
13-EMS-SGWR-OB6-T1	Maximize the acquisition and use of environmentally preferable products.	Evaluate S&GRP chemical inventory and identify candidates for substitution (toxicity reduction) and choose one chemical for evaluation, based on chemical user input.	3/15/13	100% Complete
		Purchase minimum amount of chemical needed for evaluation and ask users to assess product's viability as an adequate substitute.	9/30/13	On schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	1	24	5/6/2013 - While on scaffolding taking measurements, employee bumped his head on a hanger all-thread rod resulting in a small scrape on the top of his forehead. Treatment consisted of wound/skin care and a bandage. 23055 (S&GRP)
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

Technical Integration

- TC&WM EIS Model Transition – RL/CHPRC and ORP/SAIC model transition teams met for three days on May 14-16, 2013 at a second model transition workshop following release of the final Technology Transfer document by ORP/SAIC. The primary focus was on completeness of the technology transfer electronic appendix. ORP/SAIC agreed during the workshop to provide all identified missing components.
- Central Plateau Groundwater Model – Submitted revision 1 to CP-47631, *Model Package Report: Central Groundwater Plateau Model*, documenting Central Plateau groundwater model version 3.4 to clearance.

DOE O 435.1 Assessments

- ERDF PA – The Low-Level Waste Disposal Facility Federal Review Group (LFRG) completed an onsite review of the Environmental Restoration Disposal Facility Performance Assessment (ERDF PA). LFRG identified 3 key issues, 21 secondary issues, 5 observations and 2 notable practices. The key issues will need to be resolved prior to issuance of a revised Disposal Authorization Statement (permit to continue operating). LFRG's out brief also indicated that this was an "Excellent PA – well conceived and planned".

River Corridor

100-NR-2 Operable Unit

- Completed the DOE-HQ Remedy Review of the Draft A RI/FS Report and Proposed Plan. The Remedy Review Board was in agreement with the overall approach (i.e., alternatives) and concurred with the preferred alternative.

100-BC Operable Unit

- TPA Change Notice 558 and 559 for addendums to the existing RI/FS Work Plan and SAP were signed on May 23, 2013. These addendums address additional monitoring requirements to support the assessment of the recently completed or ongoing waste site remediation and the influences to groundwater. This evaluation will support the future selection of a groundwater remedial alternative(s).

Central Plateau

200-UP-1 Operable Unit

- EPA comments (22) on the Draft A RD/RA Work Plan and associated draft TPA change package (Control Form Number M-16-13-01) were transmitted to RL on April 30, 2013. A meeting with EPA was held May 16, 2013 to discuss comment resolutions and open issues. A Draft B redlined RD/RAWP incorporating EPA comment dispositions was provided to RL on May 24, 2013. The Draft B RD/RAWP is in the process of being released and transmitted to RL as a contract deliverable.

200 West Pump-and-Treat

- During the month of May 2013, the pumping rates for the 200 West P&T ranged from 1,780 gpm to 2,007 gpm.
- During this past month, the two ion exchange resin trains were run between 523 gpm and 559 gpm combined capacity, removing technetium-99 from groundwater from selected wells near the TX-TY Tank Farm, T Tank Farm, as well as S-SX Tank Farm.

- Approximately 342 kg of carbon tetrachloride and 3,716 kg of nitrate as N (or 16,450 kg nitrate as NO₃) were recovered during the month of May 2013.
- Continuing to perform OTP work, routine maintenance, and minor modifications.
- The most recent concentration of the contaminants of concern in the effluent water following treatment is found in the table below.

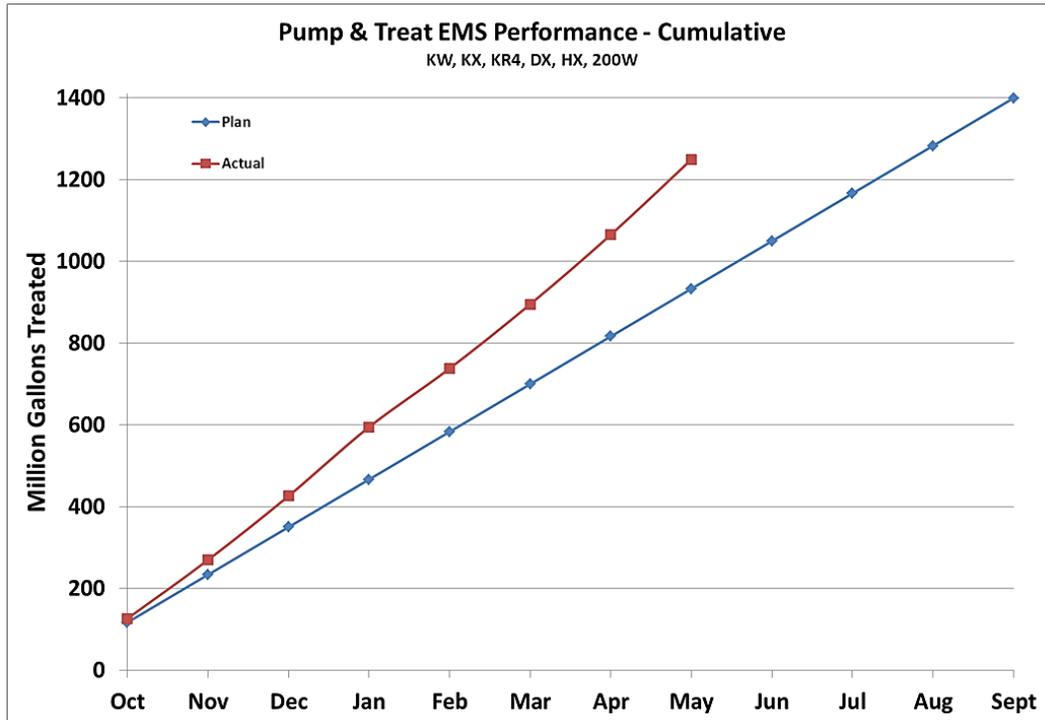
Contaminant Of Concern	Average Effluent Concentration	Cleanup Level Specified in Record of Decision
Nitrate	7,830 µg/L	10,000 µg/L
Carbon Tetrachloride	<1 µg/L	3.4 µg/L
TCE	<0.5 µg/L	1 µg/L
Total Chromium	10.5 µg/L	100 µg/L
Hexavalent Chromium	8.4 µg/L	48 µg/L
Iodine-129	<0.2 pCi/L	1 pCi/L
Technetium-99	46 pCi/L	900 pCi/L
Tritium	3,300 pCi/L	20,000 pCi/L

200-DV-1 Operable Unit

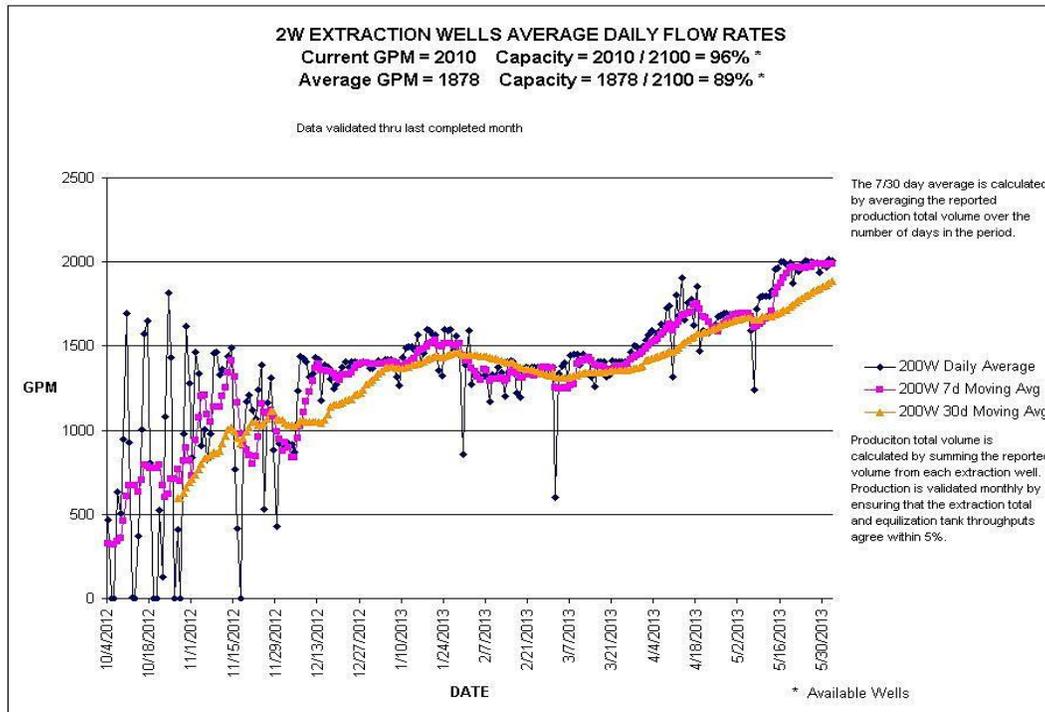
- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,764 gallons during the month of May, bringing the total volume of perched water removed to 128,250 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of May:

Contaminant	May	Cumulative
Tc-99	16.9E-04 Ci	13.9E-03 Ci
Uranium	1.2 kilograms	19.6 kilograms
Nitrates	21.1 kilograms	265.8 kilograms

Pump and Treat Operations – FY2013



200 West Pump and Treat Operations



MAJOR ISSUES

Issue – The State Historic Preservation Officer (SHPO) determination has not been finalized for 100-BC Well and Aquifer Tube Installation. The Cultural Resources Review (CRR) was submitted January 11, 2013 to MSA. On April 4, 2013 State Historic Preservation Officer rejected the CRR due to outstanding issues with Bonneville Power Administration. The CRR documentation is being advanced to the Advisory Council on Historic Preservation (ACHP) (National Review Board) in June. Once the Advisory Council receives the formal package, they have 15 calendar days to review and render a decision and can request a 15 day calendar extension. Due to the inability to predict a date for resolution and final decision, no attempt has been made to add delay/mitigation work scope, or reflect ultimate impact, if any, to the TPA milestones. Once a final determination has been made, CHPRC will assess overall impact and if appropriate, provide a notification to RL of additional cost and schedule associated with completion of this work.

Corrective Action –

- Select mobilization activities were put on hold pending a decision from ACHP
- Support RL with the ACHP submittal and responding to questions
- Once a final determination has been made, CHPRC will assess overall impact and if appropriate, provide a notification to RL of additional cost and schedule associated with completion of this work.

Status - RL provided a draft package to the ACHP the week of May 27, 2013 for their initial review to confirm it was complete and met the needs of the evaluation and determination. Formal submittal will follow the initial response from ACHP.

Issue – The number of comments from EPA on CERCLA documents and the need for policy and technical decisions is impacting completion of the RI/FS Report and Proposed Plan for the 300 Area. EPA continues to provide new comments on the documents and revising previous agreements, and is impacting the progress toward finalizing a Record of Decision (ROD) for the 300 Area within FY2013.

Corrective Action –

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

Status – RL Senior Management and EPA are working to resolve 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 –

- Data Quality Objectives (DQO) complete; resolving RL comments on sampling instructions. Awaiting notice to proceed for field activities.

- RL meeting with Tribal representatives to revise, or develop new Memoranda of Agreement for characterization in culturally sensitive areas. Field work anticipated this summer (anticipated July start).
- No additional efforts at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Critical
 Working - Concern

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-008J Regulatory Document Comments – 300-FF-5	Routine and comment review meetings to remain current on influences from regulators, and provide technical justification for the proposed path forward.			Numerous regulatory comments (EPA technical, legal, and policy) pertaining mainly to policy issues and alternative selection have impacted the ability to complete the 300 Area proposed plan. As a result, the proposed plan has been revised numerous times and has included the preparation of a RI/FS addendum to address new scope. TPA dispute resolution is likely.
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.			Working with the customer on recent issues with MCL vs. Risk Based Evaluations used in the River Corridor RI/FS documents. The proposed changes have impact on the River Corridor RI/FS and PP documents. Assisted customer in development of a white paper for discussion with the regulators. Path forward on recent issues is being negotiated between the Tri Parties. These negotiations continue to cause rework in both the RI/FS and PP documents.
SGW-080: 100-BC-5 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require a Request for Proposal (RFP).			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary. Additional monitoring and aquifer tubes are required under TPA Milestone M-015-76. Recent SHPO issues related to cultural clearances for drilling sites may take significant effort and time to resolve. TPA milestone may be unachievable and will require renegotiation.
SGW-081: 100-FR-3 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require an RFP.			EPA concurred that need for pump and treat will be evaluated as part of RI/FS process. The draft feasibility study 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 the Fall of 2013.
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.			The transmittal on April 17, 2013 did not contain the expected electronic material. Notification of impact letter transmitted to RL. ORP/SAIC agreed to provide all missing identified components during May 14-16, 2013 workshop.
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.			Ongoing discussions with DOE-RL regarding the transfer.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
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 will be impacted by the sequestration. Only 4 of 8 wells planned to be drilled in FY2013 will now be installed. The installation of well racks, tie-in of wells, laying of HDPE has now been stopped with the exception of injection well YJ-23. Five interim injection wells were hooked up in FY2012 to the 200 West P&T for additional injection capacity.	●	↔	The extraction/injection well network that is currently on line could potentially provide sufficient flow rates to achieve the 2,000 gpm pumping rates if no wells are offline.
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 CHPRC and DOE.	●	↔	At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling in the vicinity of KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operating and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.	●	↔	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. There are four Skanska sub-contractors and four CHPRC initiated long-lead procurements that remain. However, sequestration may impact the claims litigation process.
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 May remains above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↓	Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

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	0.1	0.0	0.0	(0.1)	0.0
RL-0030.O1 RL 30 (Operations)	11.7	9.0	7.8	(2.6)	-22.7	1.2	13.3
RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>0.0</u>	0.0
Total	11.7	9.0	7.9	(2.6)	-22.7	1.1	12.4

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$2.6M/-22.7%)

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

RL-0030.O1 RL 30 Operations (-\$2.6M/-22.7%)

Drilling (-\$1.3M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 will be delayed as a result of the Sequestration funding reductions.

GW Monitoring and Performance Assessments (-\$0.3M)

Geophysical logging activities associated with KR-4, M-24 and ZP-1 well drilling activities cannot be completed until the wells can be drilled. These delays are a result of the Sequestration funding reductions.

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

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

CM Cost Performance (+\$1.1M/+12.4%)

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

RL-0030.O1 RL 30 Operations (+\$1.2M/+13.3%)

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

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

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	(13.6)	-18.5	73.4	87.1	(13.7)
RL-0030.O1 RL 30 (Operations)	534.3	528.7	516.1	(5.6)	-1.1	12.6	2.4	1,155.2	1,142.3	12.9
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	874.9	869.2	866.9	(5.6)	-0.6	2.3	0.3	1,495.7	1,493.3	2.4

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$5.6M/-0.6%)

RL-0030.O1 RL 30 Operations (-\$5.6M/-1.1%)

Drilling (-\$3.2M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 have been deferred as a result of the Sequestration funding reductions. This variance will continue to grow throughout the remainder of the fiscal year.

CTD Cost Performance (+\$2.3M/+0.3%) – Cost performance variances that exceed threshold are reported below. The CTD cost variances are primarily the result of prior year activity that has been previously reported:

RL-0030.C1 GW Remedy Implement (-\$13.6M/-18.5%)

200-ZP-1 Operable Unit (-\$13.6M)

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 (+\$12.6M/+2.4%)

Integration and Assessments (+\$6.3M)

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 (-\$2.6M)

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 labor, contracts, materials over the entire contract period. These underruns are expected to continue as the management account achieves the efficiencies necessary to meet the overall project funding objectives.

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

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 (+\$2.2M)

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 (+\$1.7M)

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

Estimate at Completion (EAC)

The projected Variance at Completion of 0.2% is not significant.

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0030 Soil and Groundwater Remediation	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	91.8	88.8	3.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover, FY2013 new Budget Authority, and new Budget Authority of \$1,216K for BC-5 well drilling/aquifer tubes (per Change Order 222). Spending Forecast reflects reduction per Sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-13-011R0 - Modification of 100-BC-5 and implementation of Change Order 222 into the PMB

FY2013 Management Reserve (Funded): \$0.0M

No Management Reserve was used during May.

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-58F	Initiate Discussions of Well Commitments	TPA	6/1/13	5/20/13		Complete per 13-AMRP-0190
M-091-40L-038	PMM Submittal Jan-Mar 2nd Qtr. FY2013 Burial Ground Sample Results	TPA	6/15/13	5/23/13		Complete. Signed at 5/23/13 UMM
M-015-75	Submit RI/FS Report and PP for the 100-NR-1 source OU and 100-NR-2 groundwater OU	TPA	6/30/13		6/28/13	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/13	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY2013 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	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	11/30/13		11/30/13	On Schedule.
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-015-112	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 notifies Regulators of Sequestration impacts. Forecast Under Negotiation
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 notifies Regulators of Sequestration impacts. Forecast Under Negotiation
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr FY2014 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

May 2013
CHPRC-2013-05, 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) site housekeeping (weed spraying), conducted 95 radiological facility surveillances, completed 50 Preventive maintenance (PM) activities, and drained Plutonium Uranium Extraction Plant (PUREX) former nitric acid line.

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

- Drained Plutonium Uranium Extraction Plant (PUREX) former nitric acid line
- Conducted 95 radiological facility surveillances
- Performed Waste Information Data System (WIDS) site housekeeping (weed spraying)
- Established boundaries on 216-B-57 WIDS site due to contaminated rabbit droppings
 - o Performed necessary activities to reduce the soil contamination to a smaller footprint
- Completed 50 Preventive maintenance (PM) activities
- Completed 231-Z, 222-T, 242B/BL and other miscellaneous facilities annual surveillances
- Removed Potential Asbestos Containing Material (PACM) piping from 291-U roof
- Completed 200W Area WIDS annual inspection
- Initiated activities for the Annual Performance Measurement Baseline Update (pending RL funding direction)

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
 Risk Passed
 New Risk
 Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered. Redox roof repairs under investigation.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns. Stop work has been resolved . 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%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

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	1.1	0.9	0.0	0.0%	0.2	19.8%

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CM Cost Performance: (+\$0.2M/+19.8%)

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	372.3	371.9	343.9	(0.3)	-0.1%	28.0	7.5%	488.7	460.7	28.0

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CTD Cost Performance: (+\$28.0M/+7.5%)

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 (\$-15.5M). 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 (\$7.4M) 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 (\$2.5M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$2.6M) and under run in overhead allocations (\$1.4M).

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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from April to May are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	13.0	12.0	1.0

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. May Spending Forecast reflects reduction per Sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

May 2013
CHPRC-2013-05, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Continued working on the Facility Hazard Categorization documentation. Continued planning for removal 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	1	N/A
First Aid Cases	0	8	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Continued revisions to the 105KE Facility Hazard Categorization (goal is to recategorize to less than Hazard Category 3).
- Continued planning for disposition/disposal of legacy waste items for the 100K Area.
- Continued review of remediation and decommissioning work packages in preparation for restart of D4 activities.
- Continued evaluation of sequestration impacts (including collection and tracking of planned absences & furloughs).
- Initiated activities for the Annual Performance Measurement Baseline Update (pending RL funding direction)

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.			KE Reactor ISS abatement and cleanout has been completed for FY2013. The reactor will be placed 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. The installation of the wells represents a potential contract change. However, due to sequestration, this work is unlikely to be funded 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 funded.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE

Current Month
(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.3	0.7	0.4	(0.6)	-46.2%	0.3	47.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.6M/-46.2%)

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

CM Cost Performance (+\$0.3M/+47.2%)

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	300.5	299.4	278.9	(1.1)	-0.4%	20.5	6.8%	467.5	449.3	18.2

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$1.1M/-0.4%)

The negative schedule variance is due to the deferral of planned ISS scope pending RL authorization to rephase to 2015 or beyond and Waste Site Area AM not being worked in prior years due to higher priority workscope.

CTD Cost Performance (+\$20.5M/+6.8%)

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 changes in EAC from April to May are within reporting threshold.

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	8.9	0.9

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority. May Spending Forecast reflects reduction per Sequestration.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

May 2013
CHPRC-2013-05, 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. Submitted scope/cost/schedule to RL to isolate 400 Area sewer system discharge from Energy Northwest.

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 four PM activities/operational surveillances
- Completed four radiological surveillances
- Submitted scope/cost/schedule to RL to isolate 400 Area sewer system discharge from Energy Northwest
- Shipped Low Level Waste (LLW) to Environmental Restoration Disposal Facility (ERDF)
- Initiated activities for the Annual Performance Measurement Baseline update (pending RL funding direction)

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.
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%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented.
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.			Response to RL was transmitted on 5/23/13. Letter requests RL direction prior to proceeding.

PROJECT BASELINE PERFORMANCE

Current Month
(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.1	(0.0)	-0.0%	0.1	51.5%

Numbers are rounded to the nearest \$0.1M

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

The current period schedule variance is within thresholds.

CM Cost Performance: (+\$0.1M/+51.5%)

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	15.2	15.2	13.0	0.0	0.0%	2.1	13.9%	26.5	24.5	2.1

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$2.1M/+13.9%)

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

Estimate at Completion (EAC)

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

The change in EAC from April to May is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.4	2.1	0.2

Numbers are rounded to the nearest \$0.1M

Funds Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority. May Spending Forecast reflects reduction per Sequestration.

Critical Path Schedule

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

Baseline Change Requests

None at this time.

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



May 2013
CHPRC-2013-05, 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 / 04 / 22						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2013 / 05 / 26						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST 5,451,637	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 3,316		d. TARGET PROFIT/ FEE 227,692	e. TARGET PRICE 5,679,330	f. ESTIMATED PRICE 5,711,081	g. CONTRACT CEILING 5,679,330	h. ESTIMATED CONTRACT CEILING 5,711,081		i. DATE OF OTB/OTS						
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		5,398,168						c. SIGNATURE			d. DATE SIGNED 5/26/2013					
b. WORST CASE		5,455,004														
c. MOST LIKELY		5,483,389		5,454,953		(28,435)										
8. PERFORMANCE DATA																
WBS[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)						
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	12,022	9,687	8,606	(2,335)	1,081	609,987	586,525	608,344	(23,462)	(21,819)	0	0	0	940,255	1,007,503	(67,249)
012 RL-12 SNF Stabilization and Disposition	6,574	4,340	5,080	(2,234)	(740)	376,797	364,461	369,620	(12,336)	(5,159)	0	0	0	606,548	634,577	(28,029)
013 RL-13 Solid Waste Stabilization & Disposition	8,472	8,503	6,907	31	1,596	759,020	758,577	744,415	(443)	14,161	0	0	0	1,344,498	1,328,292	16,207
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	11,676	9,031	7,907	(2,645)	1,124	874,859	869,245	866,944	(5,614)	2,301	0	0	0	1,495,718	1,493,302	2,416
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,116	1,116	896	0	221	372,252	371,919	343,920	(333)	28,000	0	0	0	488,747	460,745	28,002
041 RL-41 Nuclear Facility D&D - River Corridor	1,251	673	355	(578)	317	300,482	299,364	278,883	(1,118)	20,481	0	0	0	467,474	449,293	18,182
042 RL-42 FFTF Closure	199	199	96	0	102	15,158	15,158	13,049	0	2,109	0	0	0	26,542	24,456	2,086
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	41,310	33,549	29,847	(7,762)	3,702	3,308,554	3,265,248	3,225,175	(43,306)	40,073	0	0	0	5,369,783	5,398,168	(28,385)
f. Management Reserve														85,221		
g. Total	41,310	33,549	29,847	(7,762)	3,702	3,308,554	3,265,248	3,225,175	(43,306)	40,073	0	0	0	5,455,004		
9. Reconciliation to CBB																
a. Variance Adjustment										(43,306)	40,073					
b. Total Contract Variance														5,455,004	5,398,168	56,836

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 / 04 / 22							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 05 / 26							
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 - Envr Prog & Strategic Planning	509	509	386	0	122	40,426	40,426	37,100	0	3,326	0	0	0	79,989	76,608	3,381
	509	509	386	0	122	40,426	40,426	37,100	0	3,326	0	0	0	79,989	76,608	3,381
35 - Business Services																
012.3 - Transition (PTB)	0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0
030.9F - Ramp Up/Transition - Fac	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
	0	0	0	0	0	44,816	44,816	45,288	0	(473)	0	0	0	44,816	45,288	(473)
37 - Company Level Initiatives																
011.7W - PRC WFR	0	0	0	0	0	1,818	1,818	1,608	0	211	0	0	0	1,818	1,608	211
012.7W - PRC WFR	0	0	0	0	0	1,363	1,363	901	0	462	0	0	0	1,363	901	462
013.7W - PRC WFR	0	0	0	0	0	1,702	1,702	1,417	0	284	0	0	0	1,702	1,417	284
030.7W - PRC WFR	0	0	0	0	0	1,705	1,705	1,058	0	648	0	0	0	1,705	1,058	648
040.7W - PRC WFR	0	0	0	0	0	224	224	180	0	44	0	0	0	224	180	44
041.7W - PRC WFR	0	0	0	0	0	337	337	209	0	128	0	0	0	337	209	128
042.7W - PRC WFR	0	0	0	0	0	33	33	23	0	9	0	0	0	33	23	9
	0	0	0	0	0	7,182	7,182	5,396	0	1,786	0	0	0	7,182	5,396	1,786
38 - Project Technical Services																
030.3 - EPC - Groundwater	0	0	78	0	(78)	273,050	273,050	292,886	0	(19,836)	0	0	0	273,050	293,043	(19,993)
	0	0	78	0	(78)	273,050	273,050	292,886	0	(19,836)	0	0	0	273,050	293,043	(19,993)
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	12,022	9,687	8,606	(2,335)	1,081	525,128	501,666	530,549	(23,462)	(28,883)	0	0	0	855,396	929,708	(74,312)
	12,022	9,687	8,606	(2,335)	1,081	525,128	501,666	530,549	(23,462)	(28,883)	0	0	0	855,396	929,708	(74,312)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	3,042	3,042	2,324	0	718	134,954	134,954	132,909	0	2,046	0	0	0	252,176	259,416	(7,239)
012.2 - Sludge Treatment Project	3,532	1,299	2,756	(2,234)	(1,458)	188,058	175,722	183,575	(12,336)	(7,852)	0	0	0	300,588	322,024	(21,437)
013.1 - Waste Management	8,472	8,503	6,907	31	1,596	652,397	651,953	637,225	(443)	14,728	0	0	0	1,237,875	1,221,102	16,774
040.1 - PRC D&D	0	0	7	0	(7)	191,578	191,578	187,783	(0)	3,795	0	0	0	225,205	221,995	3,210
040.2 - D&D Fac Waste Site Remediation	0	0	0	0	0	67,594	67,594	60,123	0	7,470	0	0	0	89,437	81,967	7,470
041.1 - River Zone	1,251	673	355	(578)	317	247,610	246,492	235,400	(1,118)	11,092	0	0	0	414,602	405,810	8,792
042.1 - FFTF	199	199	96	0	102	13,522	13,522	11,511	0	2,011	0	0	0	24,906	22,918	1,988
040.3 - PRC Fac & Waste Site Maint	1,116	1,116	888	0	228	41,589	41,256	37,649	(333)	3,608	0	0	0	102,614	98,419	4,194
	17,612	14,831	13,334	(2,781)	1,497	1,537,302	1,523,072	1,486,175	(14,230)	36,897	0	0	0	2,647,403	2,633,651	13,752
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	11,167	8,522	7,442	(2,645)	1,080	463,758	458,144	432,754	(5,614)	25,390	0	0	0	1,045,054	1,019,446	25,608
	11,167	8,522	7,442	(2,645)	1,080	463,758	458,144	432,754	(5,614)	25,390	0	0	0	1,045,054	1,019,446	25,608
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	41,310	33,549	29,847	(7,762)	3,702	3,308,554	3,265,248	3,225,175	(43,306)	40,073	0	0	0	5,369,783	5,398,168	(28,385)
f. Management Resrv.														85,221		
g. Total	41,310	33,549	29,847	(7,762)	3,702	3,308,554	3,265,248	3,225,175	(43,306)	40,073	0	0	0	5,455,004		

FORMAT 3, DD FORM 2734/3, BASELINE

May 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: 2013/04/22 b. TO: 2013/05/26																
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 \$3,316		e. CONTRACT BUDGET BASE (C + D) \$5,454,953		f. TOTAL ALLOCATED BUDGET \$5,455,004		g. DIFFERENCE (E - F) (\$50)													
h. CONTRACT START DATE 6/19/2008			i. DEFINITIZATION DATE 6/19/2008		j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018			l. EST COMPLETION DATE 9/30/2018															
6. PERFORMANCE DATA																										
ITEM (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		SIX MONTH FORECAST						FY09 (10)		FY10 (11)		FY11 (12)		FY12 (13)		OUT YEARS (14)		UNDISTRIB BUDGET (15)		TOTAL BUDGET (16)	
							+1 Jun-13 (4)	+2 Jul-13 (5)	+3 Aug-13 (6)	+4 Sep-13 (7)	+5 Oct-13 (8)	+6 Nov-13 (9)														
a. PM BASELINE (BEGIN OF PERIOD)			1,944,928	33,021	41,009	30,385	29,429	39,890	41,702	41,655	653,426	960,017	1,002,105	428,688	2,322,280	0	5,366,516									
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-030-13-013R0 - 100-BC-5 Wells and Aquifer Tubes															3,266	0	3,266									
c. PM BASELINE (END OF PERIOD)			1,986,238	41,310	33,210	41,009	30,385	29,429	39,890	41,702	653,426	960,017	1,002,105	428,688	2,325,546	0	5,369,783									
7. MANAGEMENT RESERVE															85,221											
8. TOTAL															5,455,004											

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 / 04 / 22		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE			b. TO (YYYYMMDD) 2013 / 05 / 26				
			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 Jun (4)	+2 Jul (5)	+3 Aug (6)	+4 Sep (7)	+5 Oct (8)	+6 Nov (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	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	1
31 - Communications & Outreach												
000.1 - Communications & Outreach	6	589	6	7	7	7	10	7	70	336		1,039
	6	589	6	7	7	7	10	7	70	336		1,039
32 - Safety, Health, Security & Quality												
000.2 - Safety, Health, Security/Quality	50	4,353	50	50	57	56	48	48	477	2,017		7,155
	50	4,353	50	50	57	56	48	48	477	2,017		7,155
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	18	1,149	19	19	20	20	16	16	174	751		2,182
030.2 - Envr Prog & Strategic Planning	15	1,575	20	17	15	17	22	22	221	1,431		3,340
	33	2,724	38	36	34	36	38	38	394	2,182		5,522
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	63	4,355	66	67	66	66	71	71	705	3,375		8,843
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
	63	5,996	66	67	66	66	71	71	705	3,375		10,484
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	32	2,153	38	38	38	39	35	35	350	1,680		4,405
000.9 - Chief Information Officer	9	689	11	11	11	11	10	10	99	476		1,326
	41	2,842	49	49	49	49	45	45	449	2,156		5,732
38 - Project Technical Services												
000.F - Eng/Procurement & Construction	10	1,317	19	19	19	19	13	13	128	613		2,160
000.T - Proj Tech Svcs	4	1,560	17	18	18	18	17	17	167	802		2,634
030.3 - EPC - Groundwater	1	3,632	2	2	2	2	0	0	0	0		3,641
	15	6,510	39	40	39	39	29	29	295	1,415		8,435
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	377	30,465	398	400	397	396	499	506	5,073	8,879		47,014
	377	30,465	398	400	397	396	499	506	5,073	8,879		47,014
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	100	7,275	103	103	103	103	112	112	1,123	3,240		12,274
012.2 - Sludge Treatment Project	84	6,408	84	83	83	83	70	72	1,038	2,280		10,202
013.1 - Waste Management	273	33,503	299	284	301	301	376	378	3,586	18,059		57,087
040.1 - PRC D&D	0	7,530	0	0	4	4	0	0	0	1,256		8,792
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	487		1,828
040.3 - PRC Fac & Waste Site Maint	35	2,379	38	38	39	39	41	41	430	1,811		4,857
041.1 - River Zone	13	6,941	18	17	20	20	30	30	299	4,006		11,380
042.1 - FFTF	4	628	5	4	5	5	7	7	69	330		1,060
	510	66,004	548	529	555	554	636	640	6,545	31,471		107,481
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	232	17,578	236	243	242	246	280	279	2,999	14,751		36,854
	232	17,578	236	243	242	246	280	279	2,999	14,751		36,854
Grand Totals:	1,327	137,063	1,429	1,417	1,446	1,451	1,656	1,663	17,007	66,585		229,717

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

& 291-Z-1 Facilities. Due: September 30, 2015. Forecast: December 6, 2017. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016. Forecast: March 30, 2018. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&M Plan to Ecology. Due June 30, 2016. Forecast: June 30, 2016. No other significant impacts have been identified.

CTD Cost: For PBS RL-0011, FY2013 resources have been reduced, in accordance with RL notice of the revised annual funding due to Sequestration. The EAC includes the cost of extending level-of-effort services, consistent with delayed activities in support of completing TPA Milestone M-083-00A, and the cost of extending D&D support services (project support, NDA, solid waste operations) consistent with delayed/deferred discrete D&D work scope (based on March 2013 forecast dates). The EAC does not reflect life-cycle Sequestration impacts. In RL-0013, RL-0040, RL-0041 and RL-0042, under runs are forecast based on efficiencies, partially offset by roof repair expected later this fiscal year in RL-0042.

Corrective Action:

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

Current Period Cost: No corrective actions are required.

CTD Schedule: PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time. 1. A VE Study will be issued, identifying initiatives to be pursued by the project. Status: VE Study COMPLETE. 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 were identified. Schedules are being developed to implement the initiatives. Status: Progress has been made incorporating activities into the Field Execution Schedule (ECD: July 2013). VE initiatives incorporated into PMB Update (ECD: 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: June 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: September 2013). 4. The cost and schedule impacts of Chemical Mitigation work scope are being determined and Change Proposals for change in conditions are being prepared (ECD: August 2013). No other corrective actions are required.

CTD Cost: For RL-0030, Cost overruns for the 200 West Pump-and-Treat System are being addressed and additional funding will be identified as required. For RL-0041, change requests and REAs are being prepared to address additional soil contamination efforts not priced in the original contract. No other corrective actions are required.

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

Overall, the project was 18.8% behind schedule and 11% under cost in May. Project performance in May was primarily attributed to RL-0011 due to the effects of delayed, deferred and restricted work efforts previously reported coupled with deferral of 242-Z D&D field work due to sequestration, Field Work Supervisor (FWS) furloughs, continued impacts due to bargaining unit personnel stepping down from Supervisory positions and the turn down of overtime by bargaining unit personnel; RL-0012 due to sequestration-driven suspension of Annex Construction and supporting activities; RL-0030 due to prior year completion of work planned in FY2013, well drilling delays due to sequestration and chemical procurements for the 200W P&T that will occur later in the Fiscal Year; RL-0041 due to prior year completion of planned work coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015. Corrective actions are in place to recover schedule and to address sequestration impacts.

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. Sequestration impacts are being evaluated and work scope/resources prioritized to achieve the least impact to the slab-on-grade completion date. Corrective actions for STP, RL-0012, are primarily focused on laying up the site and materials for long term storage and planning the re-start of construction in FY2014. No other corrective actions are required.

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a negative -\$33.1 million and -0.6% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

CPs - In Process		
	Total Authorized Unpriced Work	\$3,316.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$3,316.0

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

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
N/A	<i>No Management Reserve Activity in May 2013</i>	N/A	N/A
No change in MR during May 2013.			

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

Prepared by: Project Control Staff	Date: 6/18/2013	Approved by:	Date:
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(1) = Trench Face Retrieval & Characterization System; (2) = Engineered Containers Retrieval and Transportation System; (3) PSD R&RP = Project Specific Distributable 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

May 2013
CHPRC-2013-05, 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	60%
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	60%
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	60%
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	50%
13-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into 80% of CHPRC onsite/offsite event contracts.	7/31/13	66%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	55%
13-EMS-ADMIN-OB4-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained. This will alleviate repair and operation costs and standardize the printer/copier types. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	9/30/13	72%
13-EMS-ADMIN-OB5-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Track the use of SMART boards during quarter 1 and 2 in FY2013. Calculate reduced GHG emissions realized from the use of SMART boards.	4/30/13	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	85%

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	0	2	N/A
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of crosscutting services. One January 2013 injury was classified as Recordable with days away during May.
 - 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 formally submitted to the RL/Office of River Protection for approval. Implementation efforts are underway.
 - Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues.
 - Established a consistent process within CHPRC for fixed ladder inspections.
 - Participated in the Voluntary Protection Program Participants Association (VPPPA) Region X Conference and sponsored/co-sponsored two workshops at the conference.
 - Submitted two nominations to National VPPPA for the Innovation Awards.
 - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Completed reviews/revisions to all Craft Hazard Analysis (CHA).
 - Continued support to PFP for beryllium program implementation
 - Provide support to PFP in setting up IH instrumentation and monitoring systems providing a more integrated path in managing IH equipment with an estimated cost savings of ~50K.
 - Developed Computer Based Training for Lead.
 - Participated in the Hanford Site Safety Expo with increased CHPRC presence from the previous year.
 - o Radiological Control accomplishments:
 - Continued to support site-wide Radiological Control committees.
 - Issued company level procedure designed to improve radiological survey process for heavy equipment and leased/rented equipment.

- Provided support to Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) personnel towards implementation of radiological work planning provisions.
- Provided support to PFP Closure Project in the development of test plans, calibrations, procedures, training, and procurement needed to allow the use of lapel CAMs.
- Provided support to PFP Closure Project towards development of alternate initial Administrative Control Levels.
- Provided technical support to PFP Closure Project towards the development of radiological characterization tools.
- Held CHPRC Quarterly ALARA meeting.
- Provided support for the CHPRC Emergency Preparedness drill program.
- o Nuclear Safety deliverables prepared and transmitted to RL in May include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1301624, dated May 1, 2013, *Submittal of the Annual Update of the Canister Storage Building Final Safety Analysis Report and Technical Safety Requirements.*
 - Letter, CHPRC-1300019A R1, dated May 17, 2013, *CHPRC Transmittal of the Revised Enhanced Maintenance Plan for the Plutonium Finishing Plant Exhaust Fans, Motors, and Steam Driven Turbines in 291-Z.*
 - Letter, CHPRC-1301778, dated May 20, 2013, *Annual Updates for the U Plant Facility Authorization Agreement and the Reduction-Oxidation Facility Authorization Agreement.*
 - Letter, CHPRC-1302060, dated May 28, 2013, *Transmittal of the 2013 Annual Update of the U Plant Facility Safety Basis and Unreviewed Safety Question Determination Summary.*
- o Performance Assurance and Quality Assurance
 - Presented results of Apparent Cause Analysis on the 100KW procurement of fire protection components. Asked to further investigate the relationship of the Risk Management process with the cause.
 - Drafted a new charter for the Risk Evaluation and Acceptance Board (REAB) that supports the development of safe and compliant strategies to complete mission essential work that requires RL acceptance of short term risk to reduce long term risk.
 - Presented the REAB process to RL.
 - Dispositioned all comments on the Integrated Safety Management System Description and routed for final review and approval.
- o Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
 - 294 Conditions Reports were screened in May:
 - 1 Significant
 - 1 Adverse
 - 111 Track Until Fixed (TUF)
 - 71 Trend Only (TO)
 - 106 Opportunity for Improvement (OFI)
 - 4 Screened Out (factually inaccurate, duplicative of existing CRs)
 - The Significant CR is: CR-2013-1111, *Central Waste Complex/Low-level Burial Ground (CWC/LLBG) Specific Administrative Control (SAC) Surveillance Requirement was Performed but not Properly Documented.* A root cause evaluation is in progress for this issue.
 - A Work Site Assessment (SHS&Q-2013-WSA-12987) was performed to review a sample of S&GRP completed TUF CRs to evaluate corrective actions taken and adequacy of closure.

- Reviews of completed cause evaluation reports continued, with average scores above the goal of 90 percent.
- A May NTS report documented Technical Safety Requirement (TSR) SAC noncompliance at DWF&RS facilities.
- D. Grover of the Defense Nuclear Facility Safety Board (DNFSB) Technical Staff will visit Hanford, tentatively in late June/early July, to conduct an on-site review of the Ventilation Program. In May, the 60 T-Plant and WESF documents requested by the Mr. Grover were gathered and processed to the Board. A total of 119 documents were provided to the DNFSB in May through the CHPRC DNFSB liaison process.
- A revision to PRC-PRO-QA-24741, *Performance Analysis*, was published.
- Commenced in-field activities for the 10 CFR 835 triennial assessment of Subpart C, Standards for Internal and External Exposure, SHS&Q-2013-SURV-10694.
- Provided support to Project Technical Services (PTS) (Fire Protection Engineering) to address RL questions regarding assessments of fire protection program implementation. Also supported research of requirements and documentation of Fire Hazard Analysis and Fire Protection Triennial Facility assessments to resolve CR documented issues.
- Continued support to PTS (Project Delivery), submitting the Quarterly Startup Notification letter to RL ahead of schedule and to update Startup Readiness documents.
- o Quality Assurance accomplishments:
 - Provided continued support to the CHPRC Commercial Grade Dedication (CGD) quality improvement team in development and review of a new CGD process form. This form is now out for company-wide review.
 - Provided support to the PTS organization in the development of potential contract strategies to restarting K-Basin Annex work and resolution of calibration issues with the new Mission Support Alliance calibration contractor.
 - Presented the Suspect/Counterfeit Items workshop titled “Is your Safety Suspect or Counterfeit” at the OSHA Region X VPPPA Conference in Spokane.
 - Developed a significant revision to the CHPRC QA portion of HGET which included topics on Quality Control Inspections, Commercial Graded Dedication, QC Tags and their meaning, and the importance of guarding our signature.
 - CHPRC QA began monthly knowledge enhancement briefings with all Quality Assurance Engineers. The May presentation was on the proper conduct of PVC and CPVC pipe solvent bonding inspection along with potential ASME B-31.3 code implications.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Developed pilot program proposal for RL concurrence.
 - o **Issue:** Accident & Injury Reduction.
Status: Investigating recent recordable injuries to determine cause and prevention.
Action: Working closely with Projects 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 and Assessment Board to help expedite PFP strategy innovations to PRC and RL senior management.
Action: T. Bratvold to present SHS&Q involvement strategy to RL/ASME staff.

Environmental Program and Strategic Planning (EP&SP)**• Environmental Protection**

- o **Compliance Item Status – Asbestos:** Continuing to develop the response to the EPA information request regarding demolition of asbestos-containing facilities. Formal response is due back to EPA Region 10 by July 1, 2013.
- o **Central Waste Complex Box and WRAP Drum Leak Enforcement:** An agreement on the AO between EPA and RL is nearly complete. Discussions continue between CHPRC, RL and Ecology to resolve remaining compliance allegations. Negotiation workshops are being held to discuss the Ecology compliance concerns and agree on corrective responses. All discussions must be completed by July 5, 2013.

• Environmental Management System

- o The external recertification audit of the ISO 14001 EMS will occur June 25-26, 2013. Documents have been updated, the site schedule is being finalized and final awareness training is underway.

• Environmental Compliance & Quality Assurance (ECQA)

- o **Assessments Completed in May**
 - Independent Assessment of Environmental Management System for Conformance with ISO 14001:2004 resulted in two Minor Findings and five OFI's. Findings:
 1. There is a lack of understanding and effective implementation when defining and communicating EMS roles and responsibilities during the transition of personnel assigned to a key position.
 2. Controls for the management of Universal Waste batteries are not being applied consistently.
 - MOP of Disposition of S&GRP Equipment & Items in 200W in Advance of Inspection resulted in one finding:
 1. S&GRP Equipment & Items in 200W Area were not dispositioned in advance of RL inspection.
 - MOP of Soil Removal at BC Controlled Area, Zones A, B, and C resulted in one finding:
 1. Miscellaneous debris and items at BCCA Zone A needed to be removed.
 - MOP of the Review DWF&RS WIDS Site Management Plans resulted in one finding:
 1. There are numerous active and inactive DWF&RS WIDS sites that do not have coverage by an active WIDS Management Plan.
- o **Assessments in Process**
 - Environmental Compliance Inspection of NEPA and State NEPA in process. Completion date scheduled for June 30, 2013.
 - Planning initiated on the Independent Assessment of RCRA implementation and is to be completed by August 31, 2013.
 - Environmental Compliance Inspection of Cultural and Ecological Resource Management in process and will be completed by June 30, 2013.
 - Management Assessment of Risk & Modeling Integration is in Progress and will be completed by June 30, 2013.
- o **Assessments upcoming this Quarter**
 - External EMS NSF Audit.
 - ECI of Site Walkdown follow-up.
 - QA Surveillance of the Management of Radioactive Waste.
 - ECI of TSCA/PCB requirements.

Business Services

- **Acquisition Planning**
 - Re-evaluated and refined list of all future potential subcontract scopes of work. Update option period subcontracting strategy including small business contracting plan.
 - Cancelled DWFRS RFP. Evaluating scopes of work to subcontract based on risk ranking.
 - Evaluated additional subcontract scopes of work for SGRP.
- **Facilities and Property Management**
 - The FY2013 physical inventory of Government property commenced on March 4, 2013. To date, 77.8% of the items have been accounted for. Five (5) portable generators are now reported as a suspected theft, counting as inventory campaign losses.
 - During May, 13 leased mobile offices were returned to the vendors. Of the original 62 leased mobiles acquired during ARRA, only two remain and will be removed in June.
- **Finance**
 - Responded to suspected fraud. CHPRC's name and address were used in a suspected fraud case where approximately 500 fraudulent checks were mailed to various individuals using MSA's mail number. The checks were not drawn on CHPRC or MSA banks and the matter has been turned over to Security.
 - Received concurrence with the State Department of Revenue on a revised method for the calculation of business and operating (B&O) taxes which will result in a \$175K refund to CHPRC.
- **Procurement**
 - For the month of May 2013, the Procurement group awarded 15 new contracts with a total value of \$1.16M, amended 104 existing contracts with a total value of \$130K, for a grand total of \$1.29M. Additionally, awarded 206 new material Purchase Orders valued at \$419K to support ongoing project objectives.
 - At the end of the first 56 months of the PRC, procurement volume has been significant; \$2.06B in contract activity has been recorded with approximately 48.8%, or \$1.0B, in awards to small businesses. This includes 6,159 contract releases, 15,047 Purchase Orders, and 186,098 P-Card transactions.
 - During May, Procurement employees took the printer optimization challenge and nine desktop printers were retired, in support of our Environmental Management System goals.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance & Change Management (CC&CM)**
 - In May, Prime Contracts received and processed five (5) contract modifications (numbers 262, 269, 270, 271, and 272) from RL. Correspondence Review received and determined the distribution for 17 incoming letters/documents from RL and the Prime Contracts Manager reviewed 30 outgoing correspondence packages.
 - CC&CM worked with representatives of the Safety, Health, Security, and Quality organization to submit to RL on June 4, 2013 a formal notification of change for implementation of facility beryllium characterization pilot program under Hanford Chronic Beryllium Disease Prevention Program, DOE-0342, Revision 2, and Associated Implementing Procedures.
 - The Estimating & Program Support activities for the month are described below:
 - **Sludge Treatment Project (STP):**
 - Provided continuing support by reviewing change orders and estimated cost for design changes associated with the 100K Area Annex construction.
 - Completed the cost estimate in support of the planned Critical Decision 2/3 Review of the project.

- **Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) Project**
 - A kick-off meeting was held May 30, 2013 for the development of CHPRC's Change Proposal in response to prospective Change Order (CO) #188, Integrated Disposal Facility Performance Assessment Revision.
- **Plutonium Finishing Plant (PFP) Closure Project:**
 - Continued to support preparations and advanced planning for the FY2014 PMB updates specific to demolition work scope elements. The focus of the effort is on refining the technical approach and the supporting basis.
 - Efforts were initiated on the preparation of Change Proposals (CP) addressing the impacts of PFP chemical hazards identification and mitigation and the impacts of sequestration. Support was also provided to brief RL on the impacts of identification of unknown PFP chemical hazards.
- **Soil & Groundwater (S&GW) Project:**
 - Estimating supported negotiations for the successful definitization of CHPRC's CP in response to CO #221, "100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network".
 - CO # 222, 100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network Installation, with a NTE value of \$3.316M was received from RL on April 19, 2013. CHPRC's CP in response to CO #222 (which is on the DOE-HQ 180 tracking list) was completed and initiated final internal review and approval.
 - During May, Estimating worked to finalize CHPRC's response to RL's request to provide information on the actual costs and subcontracts associated with CHPRC's CP for CO #107, Addition of S-SX Interim Groundwater Extraction System. RL's information request is in support of their performing a TINA sweep of the proposal, which was mutually definitized by PRC Modification 182 in August 2011.
 - A kick-off meeting was held May 29, 2013 for the development of CHPRC's CP in response to prospective CO #223, 200-UP-1 OU Continued Operations and Maintenance of the S/SX Interim Extraction System.
- **Project Technical Services (PTS)/DWF&RS:**
 - Estimating responded to comments on the preliminary estimate of an expansion of Trench 94 that is needed by Puget Sound Naval Shipyard (PSNS) to accommodate shipment of decommissioned U.S. Navy vessel reactor compartments. Assisted the project in the creation of a resource loaded schedule. Subject to any new requests, work on this estimate is complete.
 - Provided an estimate for the repair of an office building exterior wall that had been damaged by a government vehicle. The estimate will be utilized to measure responses to proposals that are being sought for the repair of the building.
- **Environmental Integration Management**
 - Provided support in the development of an estimate, requested by Washington Closure Hanford, via Request for Service process, to manage comments and provide updates to the Performance Assessment for the Environmental Restoration Disposal Facility that is being performed by CHPRC (subcontracted work scope). This was an expansion of work that was initiated at the beginning of the fiscal year.
- **Safety, Health, Security & Quality (SHS&Q):**
 - Developed an estimate for the Beryllium Improvement Program, Phase II Pilot work scope that will be used in discussion with RL in an effort to determine actions and appropriate costs to conduct assessments per revised sampling and characterization

standards. The Rough Order Magnitude estimate was provided to RL for consideration as new work scope.

- o Activities associated with Sage/Timberline estimating software and estimating system administration included discussion with LMIT on the options for incorporating the next major software revision (Rev. 13.2) that is scheduled for release during calendar year 2014. System reliability was a topic of discussion in May due to the higher trend of system re-sets required. Consensus is that the system reliability is tied to the present software revision (Rev. 9.7) utilizing Pervasive server technology, where the next software base will utilize SQL. Planning for FY2014 will include budget to develop the management plan and accomplish the system upgrades, given overall project priorities.
- **EVMS Compliance and Reporting**
 - o Continued tracking furloughs as required to stay within funding as impacted by sequestration
 - o Updated overhead targets for FY2014 planning
 - o Participated in Sludge CD 2/3 Project Review Board
 - o Continued development of the Annual PMB update
- **Strategic Planning and Integration**
 - o **Interface Management**
 - Provided Performance Incentives (PI) input to MSA to align with Site Cleanup Mission Activities
 - Completed revisions to PRC-PRO-MS-10472, Rev. 1, Chg. 1, *Interface Management*, which reflect current work scope, responsibilities, and process. Anticipate next phase completion May 28, 2013.
 - Completed Data Back-Check step on Appendix D (Contractor Requirements per J-3 Matrix) Other Hanford Contractor Draft CHPRC Infrastructure and Services Alignment Plan (ISAP) 2013 Update and submitted to MSA.
 - Completed the review process on the Administrative Interface Agreement (AIA) – Geophysical Equipment Calibrations at the Calibration Models Site, submitted by WRPS. It was determined that CHPRC would not be entering into this agreement as it was redundant to the Statement of Work (SOW) (36654-42 Logging Equipment Calibration Support).
 - Processed annual reviews on the following Interface Documents:
 - CHPRC-00236, Rev. 1, *Welding and Material Engineering Services*
 - TOC-AIA-PRC-00009, Rev. 1, *SWITS and SWIFT Data Management and Integration between WRPS and CHPRC*
 - HNF-41866, Rev. 1, *Generating and Applying Solid Waste Information and Tracking System Barcode Labels to New Waste Containers between CHPRC and MSA*
 - HNF-3395, Rev. 5, *ICD between the 242-Z Evaporator Facility and the Liquid Effluent Retention Facility.*
 - Began development of the Interface Management SharePoint Site. Anticipate completion September 30, 2013.
 - Worked with DWF&RS and MSA Electrical Utilities on the 241CX warped power pole. This issue was noted as a safety concern. MSA is working with the project to replace to pole and right size the service.
 - Working with CHPRC Surveillance & Maintenance and WRPS to resolve the issue of signage and traffic flow at the east entrance of PUREX.
 - Review and ongoing continued impacts analysis with metrics on J-3 Matrix, Interface 34 *Biological Control* (e.g. tumbleweed situation).
 - CHPRC continues to support the MSA led efforts to prepare business cases evaluating the potential for cost savings from changing the current business models for the following

services:

- Site Training
 - o Received “Go” decision from CIB to proceed with full Business Case. A workshop is being planned for the near future. Additional information will be coming available as soon as this is solidified.
- Fire Protection Engineering
 - o Comments on final draft from CHPRC and WRPS were incorporated and provided to MSA’s IFM Manager for review. MSA presented the case at the Contractor Interface Board (CIB) on March 9, 2013. In a letter drafted by MSA to G. H. Branch, RL Contracting Officer, dated May 30, 2013, the following was stated:
 - The CIB concurred with the recommendation to maintain a non-centralized fire protection engineering resources relationship and structure among the prime contractors. RL and ORP fire protection authorities also have concurred with the business case recommendations.
 - Completed Attachment J.3 – Hanford Site Services and Interface Requirements Matrix, #34 Biological Controls interpretation for Decommissioning, Waste, Fuels, & Remediation Services.

Project Technical Services (PTS)

- **Central Engineering (CE)**
 - o CE continues to provide leadership and support to the Engineered Container Retrieval and Transfer System (ECRTS) Formal Design Review and Project Review Board (PRB). CE is chairing and participating in the Formal Design Review. Critical path items on the design review schedule are the delivery of Pipe Stress calculations to the Project by AECOM engineers; following internal Peer review, the Design Review Team will perform an independent review. Several CE staff members have been embedded into the ECRTS design process to streamline the review and acceptance of changes generated by the ECRTS design team.
 - o CE continues preparations for a June 4 kick-off of the ECRTS CD 2/3 PRB. CE will chair the PRB; other PTS staff members will be participating as a part of the PRB.
 - o CE has agreed on project resolution of Type A comments as the independent reviewer of I&C deliverables for the STP Delta Design Review to meet CD 2/3 requirements. STP independent review of I&C design is complete and Type A comments for I&C design are ready for close out signature. CE is currently documenting the results of the review in the I&C section of the STP Delta Design Review Report.
 - o CE is continuing with the review of STP ECRTS Process Design piping stress analyses in support of the STP ECRTS Process Delta Design Review.
 - o CE was consulted on the fabrication of the STP ECRTS Annex crane. CE is working with the project on resolution of an issue with plate fit-up on the bridge of the crane.
 - o CE is continuing with the review of STP ECRTS Annex construction welding submittals.
 - o CE commenced a design verification of an STP ECRTS DCN to change the annex bridge crane from a 10 ton to a 5 ton unit.
 - o CE is supporting STP in the evaluation of the pipe supports for the process equipment and KW Annex Crane.
 - o CE supported the Plutonium Finishing Plant (PFP) in the evaluation of wall brace removal in room 235A-2 to facilitate glovebox removal.
 - o CE is assisting the Project in the evaluation of foaming of PFP Glove Boxes.
 - o CE reviewed the PFP Enhanced Maintenance Plan for the PFP Exhaust Fans and Motors and Steam Driven Turbines in 291-Z.

- o CE helped resolve a Life Safety non-compliance in PFP Remote Mechanical A-line room 235-A3 where scaffold was blocking egress.
- o CE participated in a Video Tele Conference (TVC) with DOE Office of Nuclear Safety Basis & Facility Design and RL. The Purpose of this TVC session is to provide an overview of what has been changed and the key expectations of Order 420.1C, Facility Safety and understand the major differences between DOE O 420.1B and DOE O 420.1C and understand DOE expectation for effective implementation.
- o Central Engineering (CE) is reviewing/evaluating the Draft Supplemented Contractor Requirements Document (SCRD) for the implementation of DOE Order 420.1C, Facility Safety: Attachment 1, Attachment 2, and Attachment 3. DOE O 420.1C invokes DOE STD-1020-2012, which invokes the 2012 International Building Code (IBC-2012) and the American Society of Civil Engineers (ASCE), ASCE/SEI 7-10 Minimum Design Loads of Buildings and Other Structures. Similarly, DOE 420.1C “highly recommends” full compliance to DOE-STD-1066, Fire Protection, which also invokes use of the “latest” version of several specific codes and standards. CE will work with the responsible RL staff to provide comments related to any potential costs that might result from the revised SCR.D.
- o CE prepared revision 4 to the Preliminary Fire Hazards Analysis (FHA) of the Sludge Treatment Project Engineering Container Retrieval and Transfer System. The FHA revision documents the fire protection design decisions made during the design process and evaluates the potential fire hazards and issues inherent to the ECR.TS operation. It is expected that the ECR will be published and the document entered into the DMCS database during the next reporting period.
- o A work package is being prepared by the facility and will be scheduled for work with the Hanford Fire System Maintenance organization for addressing the remedies required to close system restrictions SR-13-013, A-Cell 5A hood zone locked in trouble on the fire panel.
- o CE is supporting Soil and Groundwater, 200W Area Pump & Treat in checking the design of concrete storage pad for the storage of waste containers.
- o PRC-PRO-EN-40189, Commercial Grade Dedication Process, was published. The revision provides the following changes:
 - A complete rewrite based upon the additional requirements for Commercial Grade Dedication (CGD) included in ASME NQA-1-2009 Addenda and process improvements identified by the CGD Working Group. The revised procedure includes instructions for like-for-like and equivalent replacement items and CGD of Software. Also included are definitive requirements for completion of CGD Packages and release into the Document Management and Control System (DMCS) for management and record retention.
- o CE met with the Hanford Emergency Operation Center Staff to go over the recently developed database (by MSA) for predicting the potential damage of buildings/structures if a seismic event occurs affecting the Hanford area.
- o CE participated in the seminar, held at the TRAC Center in Pasco May 24, 2013, addressing the revised seismic provisions in the 2012 International Building Code, along with the 2010 edition of ASCE-7 Minimum Design Loads for Buildings and Other Structures which will be adopted in Washington State in July 2013.
- o CE observed the reinstallation of a key into a keyway on the 2269E south overhead door operator. Several weeks ago, the key had fallen out of the keyway on the shaft causing an uncontrolled closing of the overhead door. As an extent of condition, the other overhead doors in 2269E and 2610E were checked for operation and verified the tightness of the set screws on the overhead door operator shafts.
- o CE completed the following assessments:
 - EPC-MOP-13-010, Electrical Preventive Maintenance at CP S&M Facilities
 - EPC-CMOP-13-022, UL 508A Electrical Panel Fabrication.

- **Procedures and Training**
 - o Globally Harmonized System training has been added to individual training plans and personnel will begin to complete the training during their annual HGET training. Completion date for this training is December 1, 2013. Currently, CHPRC is approximately 97% complete for this training activity.
 - o The revision of the Training Implementation Matrix will be submitted to RL for approval by the end of June.
 - o PTS Procedures and Training supported development of the CHPRC Leadership Impact Initiative strategy, plan, and training materials. The final draft of the curriculum that will be implemented for the two day PRC Leadership Impact Initiative training for all PRC managers has been completed. The overall schedule for the first two sessions has been developed and participants are being identified by senior project management.
 - o PTS Procedures and Training is currently developing project management plan to support a “Balanced approach to training and procedures” and determining staffing requirements.
 - o PTS Procedures and Training completed updates to the suite of CHPRC Training Program Descriptions.
- **Operations Program**
 - o PTS Operations program staff supported RL during the HS-45 Review (interviews, factual accuracy, and exit meeting).
 - o PTS Operations program staff completed an Emergency Preparedness Management Assessment – SWOC/CP S&M
 - o Working with the Projects, PTS Operations program conducted 9 Emergency Preparedness Drills
 - o PTS Operations program staff published revised Pre-Job/Post Job procedure along with updated Pre-Job checklist
- **Project Delivery**
 - o 100K Annex Construction
 - PTS Project Delivery personnel began a constructability review of the Annex Project drawings and specifications. The constructability review will involve subcontractor participation as well as project personnel.
 - The PTS project field team is reviewing the annex restart schedule and sequencing, looking at areas to improve efficiencies, cost and schedule.
 - Subcontractor transfer of material is continuing with the annex project QA, construction crew counting, and supporting transfer of the material to CHPRC Storage Areas.
 - o Trench 94
 - Intermountain Material and Testing (IMT) submitted the Trench 94 Soil Analysis Geotechnical Report.
 - o WESF Lower Roof
 - Proposal technical evaluation of cost and schedule is planned to complete on June 26, 2013.
 - o PFP HVAC Fan Enclosures
 - Acceptance testing in progress.
 - o S&GRP 100DX Pump and Treat Well Head Tie-In
 - Approximately 3,000 feet of HDPE pipe installed and bonded.
 - Received material for mechanical rack fabrication.

Communications

- **Internal**
 - o Produced one episode of InSite, the CHPRC news broadcast, which included updates on the

- Voluntary Protection Program and recent organizational changes.
- o Produced four issues of the Weekly Update, the weekly news bulletin, including manager messages from John Fulton, CHPRC president and chief executive officer; Stan Bensussen, ethics compliance officer; Mike Swartz, deputy vice president of the Plutonium Finishing Plant Closure Project; and Terry Vaughn, vice president of Safety, Health, Security and Quality.
 - o Employees attended and volunteered at the 2013 Health and Safety Expo, where Hanford contractors and local businesses share health and safety information.
 - o Supported the PFP Closure Project with plans to improve communications, including holding an all-team meeting, launching a manager bulletin, implementing more robust Plan of the Day meetings with PFP managers and supervisors, and holding the first of several periodic “brown bag” meetings with employees.
- **Public Relations**
 - o Supported a tour by U.S. Senator Patty Murray to the 200 West Pump and Treat System; the visit was featured by local media and RL social media sites.
 - o The “one-switch wonder” from the River Corridor pump and treat system was featured in the DOE EM Update newsletter and on RL’s social media sites. The feature allows workers to power and monitor systems at once, rather than individually.
 - o Partnered with RL to release a press release on CHPRC exceeding the fiscal year goal for removing chromium contamination from groundwater along the Columbia River. The accomplishment was featured in Nuclear Decommissioning Report online edition, Northwest Public Radio, and local broadcast networks.
 - o CHPRC photos and captions for the separation of three gloveboxes at the Plutonium Finishing Plant were featured by RL social media sites.
 - o CHPRC Pump and Treat program was featured in the Tri-City Herald “Thumbs Up” editorial.
 - **Public Involvement**
 - o Provided information for RL’s update presentation developed for the June Hanford Advisory Board (HAB) meeting.
 - o Completed the public comment period for the Class 2 Modifications to Dangerous Waste Permit for Liquid Effluent Retention Facility/Effluent Treatment Facility and the Integrated Disposal Facility

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	14.5%
Safety, Health, Security and Quality	1.4	1.4	1.1	0.0	0.0%	0.3	19.5%
Environmental Program and Strategic Planning	0.4	0.4	0.4	0.0	0.0%	0.0	23.3%
Business Services	2.0	2.0	1.8	0.0	0.0%	0.2	11.3%
Prime Contract and Project Integration	2.0	2.0	1.7	0.0	0.0%	0.4	17.4%
Project Technical Services	0.7	0.7	0.7	0.0	0.0%	0.0	1.6%
Indirect WBS 000 Total	6.6	6.6	5.7	0.0	0.0%	0.9	14.0%

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/+14.0%)

The favorable cost variance is primarily due to reduced labor costs associated with sequestration impacts.

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	0.7	0.7	0.6	0.0	0.0%	0.0	4.6%	1.0
Safety, Health, Security and Quality	9.3	9.3	8.7	0.0	0.0%	0.7	7.3%	14.3
Environmental Program and Strategic Planning	2.5	2.5	2.6	0.0	0.0%	(0.2)	-6.8%	3.9
Business Services	13.3	13.3	13.4	0.0	0.0%	(0.1)	-0.7%	20.2
Prime Contract and Project Integration	13.3	13.3	12.3	0.0	0.0%	1.0	7.6%	21.3
Project Technical Services	4.5	4.5	4.2	0.0	0.0%	0.3	7.4%	6.9
Indirect WBS 000 Total	43.6	43.6	41.8	0.0	0.0%	1.8	4.1%	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: (+\$1.8M/+4.1%)

Variance is within reporting thresholds.

Baseline Change Requests

None identified.

FY2013 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2013					
	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U	FY2013 BCWS	FY2013 Forecast	FY2013 Variance (O)/U
General & Administrative (G&A)	43.6	41.8	1.8	67.6	65.8	1.8
Communications	0.7	0.6	0.0	1.0	0.9	0.1
Safety, Health, Security and Quality	9.3	8.7	0.7	14.3	13.1	1.2
Env. Program & Strategic Planning	2.5	2.6	(0.2)	3.9	4.2	(0.3)
Prime Contract and Project Integration	13.3	12.3	1.0	21.3	20.2	1.1
Business Services	13.3	13.4	(0.1)	20.2	20.4	(0.2)
Project Technical Services	4.5	4.2	0.3	6.9	6.9	(0.0)
		FYTD			FY2013	
G&A Distribution		(41.2)			(62.4)	
G&A Liquidation (Over)/Under		0.6			3.3	

Liquidation Analysis

- For FY2013, Project Services and Support (PS&S) consists of only General and Administrative (G&A) accounts. For the month of May, application of the G&A rate under-liquidated total G&A cost by \$0.6M. The FY2013 year-end projected liquidation of \$3.3M reflected in the fiscal year spend forecast continues to assume a significant decrease in the G&A base.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement Revision 6, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than \$4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than \$6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year end.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.