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President and Chief
Executive Officer

Monthly Performance Report

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DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

June 2013
CHPRC-2013-06, Rev. 0

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EXECUTIVE SUMMARY

- A team of employees from the Plutonium Finishing Plant (PFP) visited the RL Advanced Mixed Waste Treatment Plant (AMWTP) site in Idaho, to observe equipment that may assist workers in entering highly contaminated areas of PFP. The team will continue to evaluate the equipment in partnership with RL health and safety to determine its potential use.
- The CHPRC Project Review Board (PRB) completed a comprehensive evaluation of the Engineered Container Retrieval and Transport System (ECRTS) CD-2/3 Package for the Sludge Treatment Project (STP). The PRB reviewed the package to ensure its readiness for submittal to RL for review and approval. Approval of the CD-2/3 package will be an important step forward in the preparations for the retrieval of highly radioactive sludge from the K West Reactor fuel storage basin.
- The STP conducted the Annex constructability review meeting with participants from CHPRC and construction subcontractors. The review is underway and focused on the design for the balance of construction. The Construction Layup Report (PRC-STP-00802) was issued on June 25.
- The Soil & Groundwater Remediation Project (S&GRP) reached another fiscal year Key Performance Goal (KPG), meeting and exceeding the target to treat 1.4 billion gallons of contaminated groundwater by September 2013.
- CHPRC met its KPG to submit the 100-NR-2 Remedial Investigation and Feasibility Study and Proposal Plan Draft A to the regulators.
- CHPRC completed the ISO 14001 annual audit of its Environmental Management System (EMS), the company's certified management tool for ensuring environmental protection practices across the CHPRC projects. The audit identified 11 Proficiencies, and no Major Non-conformances, Minor Non-conformances, or Opportunities for Improvement findings.



Workers from PFP visit another DOE site to share lessons learned and observe equipment



K West Annex constructability review

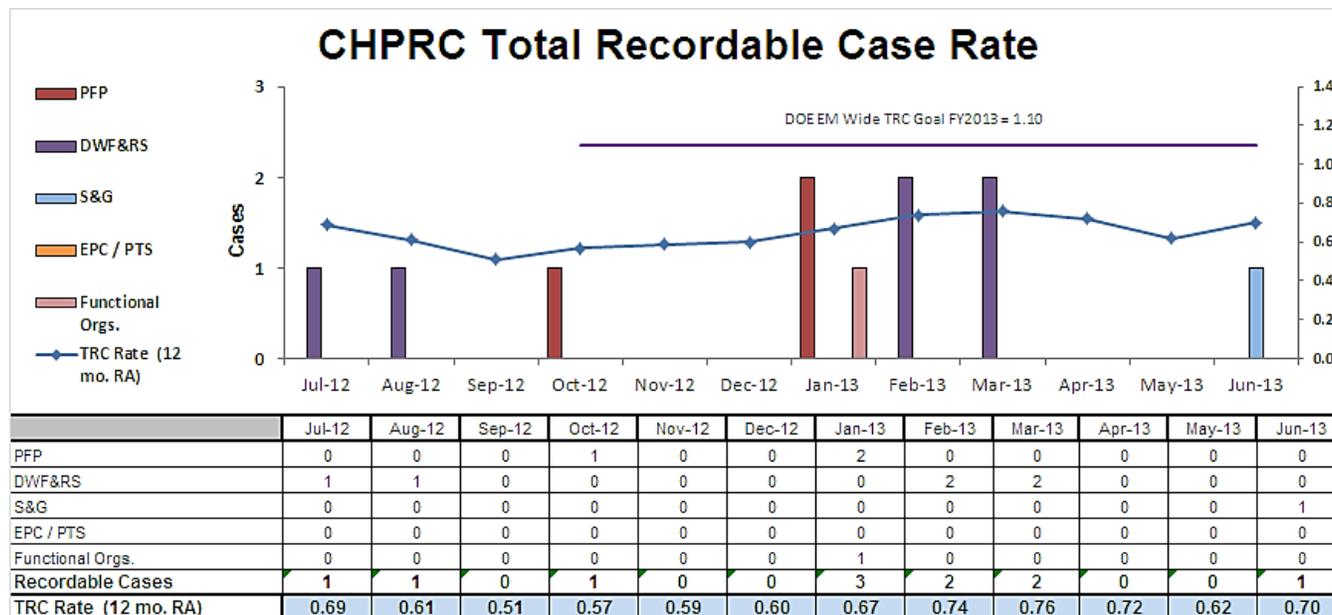
Focus on Safety

- The President's Zero Accident Council meeting for June 2013 was hosted by the Soil and Groundwater Remediation Project. The three main themes for the meeting were timely:
 - o Boating Safety
 - o Fireworks Safety
 - o Skin Cancer Awareness
- A local deputy sheriff made a big splash as he provided safe boating tips. The deputy focused on safe and required equipment, including means to alert others in emergencies, expectations for cautious and sober boat operations, and recommendations for boat education courses. A presentation on fireworks offered a spectacular array of laws, tips and rules to help make a holiday celebration a safe, but fun event without injury. The serious reality of skin cancer was discussed, giving the audience excellent advice on risk factors, screening tools, and protective measures. Presentations on the Environmental Management System (EMS), Voluntary Protection Program (VPP), safety performance, good news stories, and recognition of employees who help others completed the meeting. Four "Thinking Target Zero" (TTZ) bulletins were published in June to convey important environmental and occupational safety and health messages:
 - o Propane Cylinder Safety
 - o ISO 140001
 - o VPP Merit
 - o Spill Prevention
- June *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - o Drill Response
 - o National Safety Month 2013
 - o The Importance of Signatures on Work Documents
 - o EMS Audit
 - o Hydration
 - o Elevating Work Platforms
 - 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

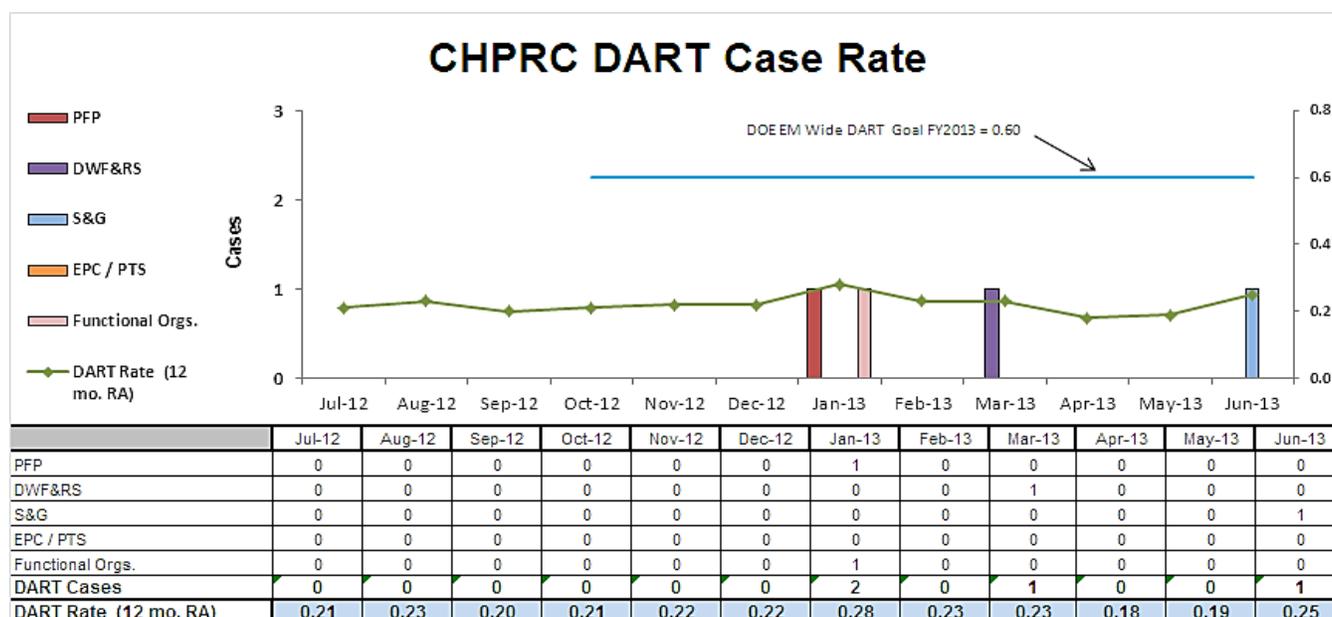


TARGET ZERO PERFORMANCE June 2013

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



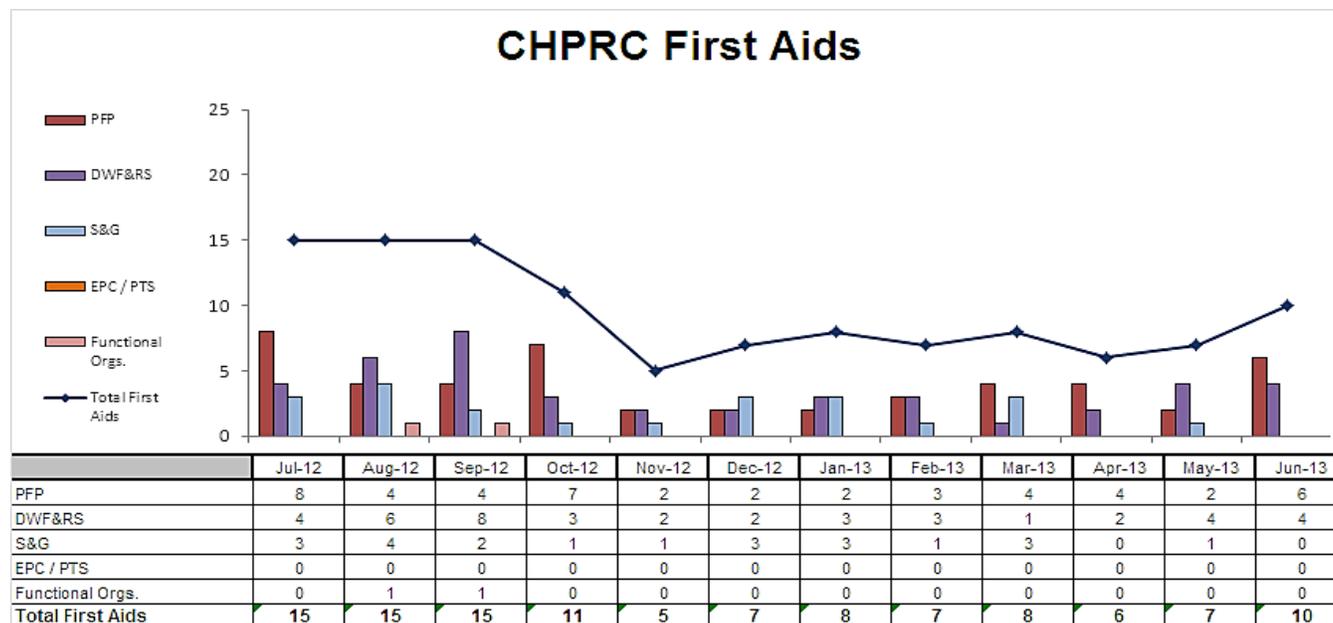
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.70 is based on a total of eleven recordable injuries (7 Recordables and 4 DART cases). There was one Recordable/DART case in June 2013. There are currently two cases being reviewed as potentially Recordable. Through June, hours worked since last Recordable Case = 136,657.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.25 is based upon a total of four Days Away cases. There was one DART case in June 2013. Through June, hours worked since last DART Case = 136,657.

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 ten first-aid cases in June 2013. The biggest contributors were four sprains/strains/pains, two cuts/lacerations, two potential odor exposures, and two miscellaneous.

KEY ACCOMPLISHMENTS

Projects

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

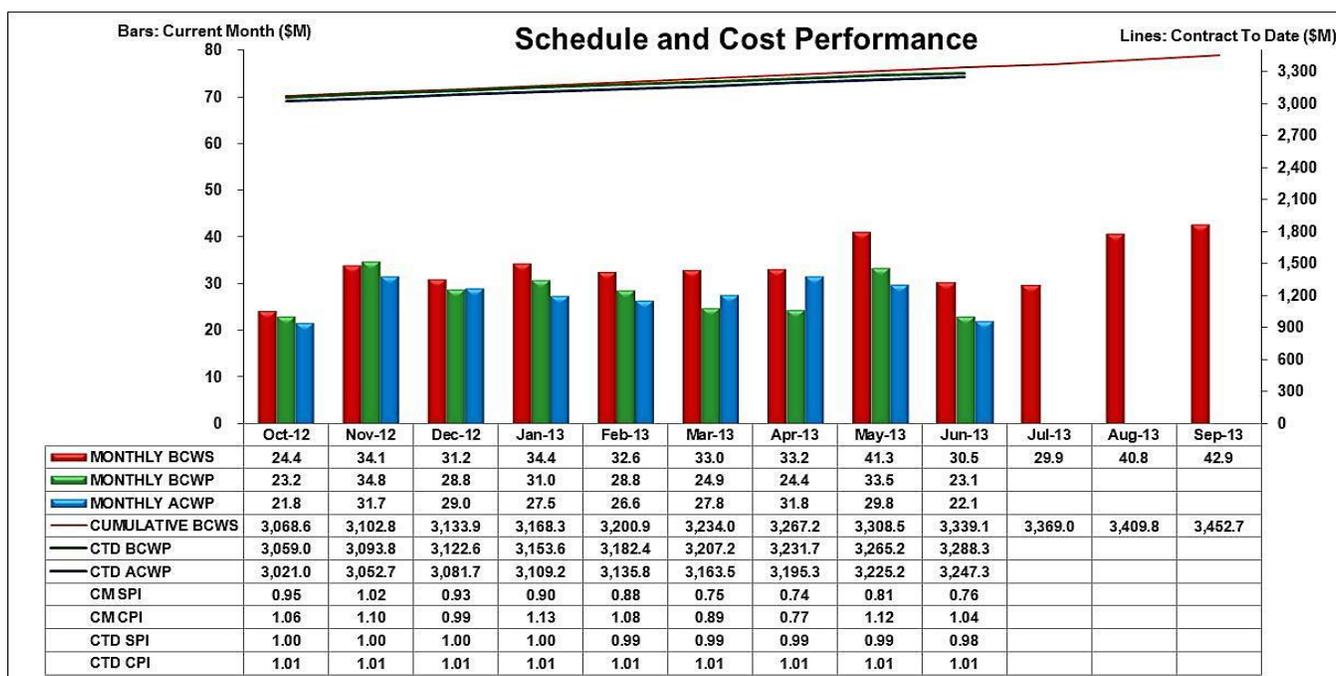
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M					\$M					\$M			
	Current Period					Contract to Date					Contract Period			
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance					
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance	
RL-0011 - Nuclear Materials Stab & Disp PFP	9.3	4.9	7.4	(4.4)	(2.5)	619.3	591.4	615.7	(27.9)	(24.3)	940.3	1,008.5	(68.3)	
RL-0012 - SNF Stabilization & Disposition	4.7	3.3	2.3	(1.4)	1.0	381.5	367.8	372.0	(13.7)	(4.2)	606.5	634.6	(28.0)	
RL-0013 - Solid Waste Stab & Disposition	6.4	6.5	5.5	0.1	1.0	765.4	765.1	749.9	(0.4)	15.2	1,344.5	1,329.1	15.4	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.5	6.9	6.0	(1.7)	0.9	883.4	876.1	872.9	(7.3)	3.2	1,495.5	1,494.1	1.4	
RL-0040 - Nuc Fac D&D - Remainder	0.8	0.8	0.7	(0.0)	0.2	373.1	372.8	344.6	(0.3)	28.2	488.7	460.8	28.0	
RL-0041 - Nuc Fac D&D - RC Closure Project	0.6	0.5	0.2	(0.1)	0.3	301.1	299.9	279.1	(1.2)	20.8	467.5	449.2	18.3	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	0.0	0.1	15.3	15.3	13.1	0.0	2.2	26.5	24.4	2.1	
(Numbers are rounded to the nearest \$0.1M)	Total	30.5	23.1	22.1	(7.4)	0.9	3,339.1	3,288.3	3,247.3	(50.7)	41.0	5,369.5	5,400.7	(31.1)

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -\$31.1M with \$85.5M of Management Reserve for a total positive variance of \$54.4M.

Overall, the project was 24.4% behind schedule and 4.1% under cost in June. For FY2013, the project is 14.4% behind schedule and 1.7% under planned cost. Schedule performance in June was primarily due to:

- RL-0011 – Delayed PRF work efforts impacted by continued PRF canyon crane failure, process vacuum and transfer line removal efforts have been deferred, due to focus on high-hazard work scope, deferred 242-Z D&D field work due to sequestration, 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; BC-5 well drilling delays due to cultural and ecological review issues; and geophysical logging activities supporting the well drilling activities that are delayed are also impacted.

Cost performance in June was primarily attributed to:

- RL-0011 – Unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work, and D&D Project Support earning in proportion to discrete work, while a constant staff provides the required services.
- RL-0012 – A credit for an over-accrual of the Annex Construction contract, material inventories in 100K facility Ops resulted in a credit, MSA charges were lower than budgeted and labor charges for the Project Management accounts were less than anticipated.
- 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	110.3	6.7
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	62.3	62.1	0.1
RL-0013	Waste and Fuels Management Project	82.7	80.0	2.6
RL-0030	Soil, Groundwater and Vadose Zone Remediation	91.8	88.6	3.2
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	8.8	1.0
RL-0042	Fast Flux Test Facility Closure	2.4	2.1	0.3
Total Base:		378.9	364.0	14.9

Funds/Variance Analysis:

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

BASELINE CHANGE REQUESTS

In June 2013, CHPRC approved and implemented three (3) BCRs. The change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for June 2013		
BCR-030-13-012R0	<i>Implementation of TPA Change Packages M-85-12-02 and M-15-12-03 into the RL-30 PMB</i>	This BCR implemented two approved TPA change packages into the PMB baseline for PBS RL-030, these packages were approved on 4/25/2013.
BCR-030-13-013R0	<i>Implementation of Change Order 221</i>	This BCR modifies the PMB to align with the definitized value approved by RL in Contract Mod 272, Change Order # 221.
BCRA-000-13-003R0	<i>000-Administrative Change for PMB Update Milestone</i>	On 10/31/12 Central Scheduling identified an error and directed the move the milestones (FY2014-FY2018) <i>Submit Annual PM Baseline Update</i> from WBS 000.17.22.01.04 <i>Interface Management</i> to the appropriate WBS 000.17.19.01.01 <i>EVMS Compliance and Reporting</i> .

Overall, the contract period Performance Measurement Baseline budget decreased (\$254.8K) in June 2013.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-030-13-013R0	<i>Implementation of Change Order 221</i>	2013	\$311.6K

Fee Activity

BCR Number	Title	Fiscal Year	Fee
BCR-030-13-013R0	<i>Implementation of Change Order 221</i>	2013	\$2.5K

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 June 2013 are summarized by fiscal year in the tables below (dollars in thousands):

June 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period	Total PMB
May 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	408,700	3,452,936	1,916,846	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	424,595	3,606,660	2,076,036	5,682,696	5,682,696
June 2013 Change									
PMB									
Change to PMB	0	0	0	0	-255	-255	0	-255	-255
MR									
Change to MR	0	0	0	0	312	312	0	312	312
Fee									
Change to Fee	0	0	0	0	3	3	0	3	3
Total Change	0	0	0	0	59	59	0	59	59
June 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	408,445	3,452,682	1,916,846	5,369,528	5,369,528
MR	0	0	0	0	3,094	3,094	82,439	85,533	85,533
Fee	39,712	48,772	32,322	17,023	13,115	150,944	76,751	227,695	227,695
Total	693,138	1,008,790	1,034,427	445,711	424,654	3,606,719	2,076,036	5,682,755	5,682,755

Changes to/Utilization of Management Reserve in June 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
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	2,783	82,439	85,221
June 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	312	312	0	312
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	312	312	0	311
June 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	410	410	14,733	15,143
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
Total	0	0	0	0	3,094	3,094	82,439	85,533

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 -6/30/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,065,906,280
				Bal remaining to award =	\$458,576,915
	\$	%	Goal %	Goal award \$	Bal to goal \$
SB	\$1,006,664,506	48.73%	49.30%	\$1,244,570,215	\$237,905,709
SDB	\$178,539,074	8.64%	8.20%	\$207,007,622	\$28,468,548
SWOB	\$198,085,250	9.59%	7.50%	\$189,336,240	(\$8,749,010)
HUB	\$46,912,206	2.27%	2.20%	\$55,538,630	\$8,626,424
VOSB	\$114,635,235	5.55%	3.50%	\$88,356,912	(\$26,278,323)
SDVO	\$54,876,124	2.66%	1.30%	\$32,818,282	(\$22,057,843)
NAB	\$30,174,934	1.46%	N/A	* 10-year subcontracting projection	
Large	\$563,023,466	27.25%	N/A		
GOVT	\$2,073,309	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$490,608,728	23.75%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$90,043	0.00%	N/A	Total Contract Price:	\$5,679,329,866
NONPROFIT	\$3,202,776	0.16%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$240,074	0.01%	N/A	SB Awarded:	\$1,006,664,506
Total	\$2,065,906,280	100.00%	N/A	Balance to Requirement:	(\$41,178,429)

Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.06B in goods and services with over 48.7% 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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June 2013
CHPRC-2013-06, Rev. 0
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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	2	185 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	- ft.	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	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	- m ³	1,180 m ³
LLW/MLLW Shipped	21 m ³	4,110 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 235A-2, two gloveboxes (HA-14CC and HA-13C) were separated, removed, turned over to Solid Waste Operations, and shipped for disposal on June 27. The total gloveboxes removed to date is now at 80 percent complete.
- PRF Canyon entries were completed to change the load brake oil, replace the electrical brake assembly for the hoist and prepare the crane for functional testing.
- During the functional test of the crane with a load, the two fuses blew resulting in the loss of up and down functions of the hoist. The fuses were replaced and the load removed from the crane. A canyon entry was completed to perform electrical investigation of the festoon cables and hoist motor. Further investigation identified a short in the west festoon cable. As a result, activities were initiated for the replacement of the festoon cables. A representative from Konecranes was at PFP the week of June 10 to provide technical support on the PRF crane and to help confirm that efforts were being appropriately focused on the problem. The Konecranes representative issued a report confirming that the festoon cable is the most likely cause of the short. In addition, the report also stated that the "brake drift appears to be caused by "ringing" (inductance backfeed) of the motor field collapsing through the brake circuit as it now does not have any contactor breaking the circuit. The original demagnetization circuit accomplished this by use of a relay.
- Removal of the equipment from the MT conveyor glovebox was completed. Sweeping and wiping down of the MT conveyor was initiated.
- Preparations are under way for the draining and removal of the hydroxylamine nitrate line in room 40.

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
13-EMS-PFP-OB1-T1	Streamline PFP's excess/reuse/recycle program to reduce the storage time for excess/ reusable items	Develop and implement project requirements, controls, guidelines for better coordination with Hanford excess/reuse/recycle program	Evaluate PFP's current excess process	12/28/12	100%
			Evaluate CHPRC excess program to improve integration between CHPRC and PFP programs and to identify opportunities for disposition of unused PFP items	3/27/13	100%
		Reduce storage time in the 212-Z Lag Storage to prevent excess/ reuse/ recycle items from becoming unusable	Identify appropriate efficiencies, guidelines, requirements, controls for the 212-Z Lag Storage and PFP excess process Completed 6/12/13	6/27/13	100%
		Implement better controls for PFP's 212-Z Lag Storage by requiring disposition identification and appropriate coordination completion prior to storage at 212-Z	Revise PFP procedures to implement improved excess processes at PFP and 212-Z Lag Storage	9/30/13	0%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	6	48	<ul style="list-style-type: none"> • 6/06/2013 – Employee experienced right finger sprain (23081) • 6/12/2013 – Employee diagnosed with bursitis in right knee (23086) • 6/10/2013 – Employee experienced respiratory tract distress (23088) • 6/24/2013 – Employee experienced left knee strain (23092) • 6/25/2013 – Employee experienced left angle strain (23094) • 6/27/2013 – Employee experienced nausea after exposure to potentially hazardous chemical (23098)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
 - Completed EF-5 fan bearing replacement, final adjustments, and returned to service. Vibration has been reduced to acceptable levels.
 - Completed replacement of EM-5 motor bearings.
 - 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 removal of the E4 hydraulic booster cabinet vent was completed.
- In Room 228C, the removal, draining, and size reduction of approximately 400 ft. of small diameter hydraulic tubing that ran under the HC-1 conveyor was removed. In addition, the removal of a 17" vacuum line, to support removal of the Room 228B/228C wall, was also completed.
- In Room 235A-3, the internal equipment removal and initial wipe downs of the top level of glovebox HA-9A was completed. The scaffolding around HA-9A was reworked and glove activations were initiated on the middle level of glovebox HA-9A.
- In Room 235A-2, the separation and removal of gloveboxes HA-14CC and HA-13C was completed. In addition, the PFP Project was successful in separating an assembly of six Room 235A-2 gloveboxes from glovebox HA-10. These six gloveboxes were moved to the end of an existing support system to facilitate future separations and removals.
- The wall between Rooms 235A-2 and 235A-3 was modified to allow the installation of a separation sleeve on the HA-10 and HA-11 flange connection.
- In Room 227, wipe down, final NDA, and application of internal fixative for glovebox HC-227S were completed.

Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
 - Drained and removed the PRF to HC-4/HC-6 process transfer line in Rm 166 (~ 31 ft)
 - Removed the Room 166 portion of the HC-4 to HC-46F process transfer line (~ 25 ft)
 - Completed removal of 3 remnant process transfer lines above HC-6 GB (~ 20 ft)
 - Removed the Room 165 portion of the HC-4 to HC-227S process transfer line (~ 10 ft)

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 a total of 17,491 feet of asbestos has been removed to date.

Chemical Mitigation

- The field work team set up containments in room 40 for the removal of the hydroxylamine nitrate (HN) line.
- A portable Continuous Air Monitor (CAM) was set up in room 40 to support the HN line removal.
- The internal components were removed from an instrument panel so that the panel could be removed for access to a section of the HN line. The internal components and panel were size reduced and dispositioned.

Plutonium Reclamation Facility (PRF)

- Three canyon entries were completed to change the load brake oil, replace the electrical brake assembly for the hoist and prepare the crane for functional testing.
- During the functional test of the crane with a load, the two fuses blew resulting in the loss of up and down functions of the hoist. The fuses were replaced and the load removed from the crane.
- A canyon entry was completed to perform electrical investigation of the festoon cables and hoist motor. It appears that the short is in the west festoon cable.
- Assembly of replacement festoon cables was initiated.
- A representative from Konecranes was at PFP the week of June 10 to provide technical support on crane.
- Removal of the equipment from the MT conveyor glovebox was completed.

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. Work packages have been released and draining of the selected chemical feed lines is proceeding. Lessons learned are being incorporated and planning continued for additional draining efforts.

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

Corrective Action – Canyon entries were completed to change the load brake oil, replace the electrical brake assembly for the hoist and prepare the crane for functional testing. During the functional test of the crane with a load, the two fuses blew resulting in the loss of up and down functions of the hoist. The fuses were replaced and the load removed from the crane. A canyon entry was completed to perform electrical investigation of the festoon cables and hoist motor. It appears that the short is in the west festoon cable. Activities were initiated for the replacement of the festoon cables.

RISK MANAGEMENT STATUS

Unassigned Risk
 Risk Passed
 New Risk
 Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-003: More Extensive Cleanout/Decon Required	Develop and implement a detailed process facility characterization plan into the field execution schedule. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. 243-ZA characterization is complete pending final reports. Work is continuing in A-Labs and work packages are being worked in 234-5Z duct level. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PFP-004, Risk of PRF Canyon D&D cost/schedule growth	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination. 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 crane 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). The teams replaced fuses and removed load from the crane to continue investigations. A representative from Konecranes (crane vendor) visited PFP and evaluated issues that are being experienced with the crane. Based on recommendations from the vendor, efforts are under way to replace the festoon cables. In addition, a new motor has been procured and will be placed in spares to mitigate further upset conditions with the crane.
PFP-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. Add addition controls to monitor and protect exhaust fans from failure. Continue to communicate with DOE to discuss risk acceptance on Fan repairs / Filter replacements.			Teams continued in the month of June to work on scope to further mitigate potential impacts in the future (Rev.0). JCO was also submitted to DOE, in May, and discussions are still pending on future mitigation efforts. The decision was made not to perform filter replacements on 309 filters, but work packages will be in place to work the filter replacements in the event of a 310 failure.
PFP-008: Unexpected High Concentration TRU Material Holdup Discovered	Utilize supplemental NDA and other characterization techniques to identify areas of concern early in the project. Discuss potential response actions and administrative controls with Safeguards and Security, and proceduralize them as needed to guide the project in responding in the event unexpected material is identified.			<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.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13. Investigation completed in the month of March. The path forward, based on investigation results, has been intergraded 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				
PFP-014: Unexpected Chemicals/Chemical Residuals or Hazardous Materials Are Discovered at PFP	Conduct wall-to-wall waste identification walk downs, fill out waste identification forms (WIF) and issue WIF reports. Continue planned sampling and identification of areas and equipment with lower confidence levels. Develop a chemical mitigation response team to: perform Ultra Sonic testing to identify all chemical lines with suspect or know quantities of Chemicals, and empty all remaining chemical lines throughout the plant including lines located in PRF			PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Impacts from the high concentration acid discovered in 234-5Z caused the deployment of a chemical response team to identify and drain process lines where appropriate. The reassignment of this team suspended field work for MT mechanical isolation activities until chemical liquids are characterized, and or drained. In addition management stopped work for chemical lines in the duct level, and all work packages associated with breaching of chemical lines throughout the plant are starting to be lifted.
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.			Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
PRC-024 - Bargaining Unit Strike or Work Stoppage	Additional FWS have been hired and returned to the 8x9 shifts to ensure ability to get 2 dives a day when executing fresh air jobs.			On 11/29/12, the economic package was delivered to HAMTC as part of the collective bargaining agreement (CBA) negotiation. Since that date, the project has been impacted by various bargaining unit employee actions (e.g., overtime turn down, upgraded employees' request to return to tools). The request for upgraded employees to return back to "hands on tools" primarily impacts near-term scope in RMA/RMC.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Negotiations continue for extending respiratory protection time with expected decision 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.
PRC-020 – Weather Delays	Develop, and purchase spare parts for unexpected repairs to criticality panels in the event of additional lightning strikes.			On 6/18/13 several subprojects were impacted due to a lightning strike causing criticality panel Z-6 to become inoperable. This event delayed the project 3 days due to non-fissile movements.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.3	4.9	7.4	(4.4)	-47.6%	(2.5)	-51.6%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$4.4M/-47.6%)

The unfavorable schedule variance is primarily attributed to process vacuum and transfer line removal efforts being deferred due to field work teams being reassigned to high-hazard work scope, continued PRF canyon crane failure, 242-Z D&D field work deferral due to Sequestration, a restriction on glovebox work due to a failed criticality alarm panel, and the associated delay to D&D support services. In general, the fallout from ongoing HAMTC negotiations continues to impact completion of work scope, due to the turn down of overtime by bargaining unit personnel and increased time on respirators not yet agreed to.

CM Cost Variance: (-\$2.5M/-51.6%)

The unfavorable cost variance is the result of unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, 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, and D&D support services (NDA, Project Support, and Solid Waste Operations) earning in proportion to discrete work, while a constant staff provides the required services.

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	619.3	591.4	615.7	(27.9)	-4.5%	(24.3)	-4.1%	940.3	1,008.5	(68.3)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$27.9M/-4.5%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$24.3M/-4.1%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$68.3M/-7.3%)

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 and repair the PRF canyon crane, 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 May to June 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	110.3	6.7

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,
Fuels, and Remediation
Services (DWF&RS)

June 2013
CHPRC-2013-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- Delta design review and RL in-process review comments have been incorporated into the Preliminary Documented Safety Analysis (PDSA) and the PDSA was issued for final CHPRC internal review. All comments received as of June 19, 2013 are being incorporated and the document is being readied for approval.
- The Engineered Container Retrieval and Transport System (ECRTS) Project Team completed final preparations for the Process System Critical Decision (CD)-2/3 Project Review Board (PRB) review, which was held from June 4, 2013 to June 18, 2013. A few subcontracted calculations and design output documents were still outstanding and were identified on a “punchlist” going into the PRB Assessment. This review resulted in substantial recommendations to the project that will be incorporated into the ECRTS CD-2/3 Package prior to submitting the package to RL for the Independent Project Review (IPR). The CHPRC PRB Exit Meeting is scheduled for June 24, 2013 with the PRB Final Report delivered later in calendar June. The Sludge Treatment Project (STP) Team will then incorporate the feedback from the PRB review and submit the package to RL by mid-July.
- Work on the Integrated Process Optimization Demonstration (IPOD) continued with completion of control system loop checks, loop calibrations, as-built drawing review of the modified test article transfer and decant boxes, and installation of the Sludge Transfer Storage Cask (STSC) bubble buster fin. MASF staff continued fabrication of nitrogen purge panels and control system multiplexer panels. Minor configuration updates were initiated on control panels PNL-201 to more closely match the final design. Maintenance and Storage Facility (MASF) staff also performed preliminary evaluations of new STSC decant float arms mounted inside the STSC with limited results. Engineering is evaluating results for improving the float performance. The Test Coordinator continued preparation of the IPOD procedure development but experienced some delay due to allocation of resources to CD-2/3 package reviews. It is planned to be out for review in early July. The IPOD is currently scheduled to commence in July.
- Due to sequestration, Annex construction had been suspended and the site had been placed in a safe and stable state pending the resumption of work. Funding has since been identified and the project issued FE&C a restart letter on June 25, 2013. The letter directs the re-mobilizing of craft and initiation of craft training. Once completed, site restoration will be initiated and bring the site back to pre-lay-up status. Construction fieldwork is expected to restart early in FY2014.
- The review and approval of the Annex construction lay-up report was completed and reviewer comments were incorporated. In addition, an Unreviewed Safety Question (USQ) review was completed and the report is being routed for final approval. The report documents, in text and photos, the construction completion status at the time of work suspension and will be used to establish the starting point for the restart of construction.
- An Annex constructability review kickoff meeting was held on June 5, 2013 with participants from CHPRC and construction subcontractors. The focus was on the design for the balance of construction. Reviewer comments were collected, sorted, prioritized, and presented for discussion at the Constructability Workshop that was held June 19, 2013 and June 20, 2013. Concrete, structural steel, and building envelope scope were the key areas of the workshop focus. FE&C, Baker Concrete and Construction, American Iron Works, Cobra, LRC Consulting, internal CHPRC staff, and corporate Civil/Structural engineers participated in the review. The review consisted of the contract documents (i.e., drawings, Design Change Notices [DCNs], specifications) and the FE&C draft restart construction schedule.

- Following the Constructability Workshop, validated comments from the review will be compiled, evaluated, and actions assigned to address significant construction improvement opportunities. The constructability evaluation and reconciliation will support future construction execution efficiency.
- Preliminary cost estimate, schedule, and Task Charging Authorizations (TCAs) have been prepared to support in-basin demolition work. The “draft” schedule will be evaluated with construction execution staff, they will factor in comments from operations, and ECRTS engineering to ensure constraints and potential interfaces are factored into the plan. Notification to hire additional craft was initiated and craft training details are forthcoming once specific craft resources are hired. In-basin work is expected to begin in mid-July.
- Nuclear Safety continued to implement the annual update and prepare streamline Design Safety Analysis (DSA) change. A potential inadequacy in the safety amendment (PISA)/USQ was declared relating to flammable gas accumulation/release potential in containerized sludge based on laboratory aging sample characteristics. Evaluation of safety of the situation (ESS) is being prepared to send to RL for approval. A letter to RL that the 90-day implementation will be delayed due to USQ and other actions was prepared. Technical safety requirements (TSR) implementation verification is proceeding.
- RL and EPA approved TPA Change Notice TPA-CN-570, which removes the requirement for second settler tank sludge retrieval from the K West Basin deactivation remedial action work plan. The Project previously performed an assessment (Decision Support Board) and concluded retrieval of the second settler tank was not needed.
- Activities to obtain accurate weight and size of the remaining fuel in the 105KW Basin were completed. 105KW Operations obtained the accurate size, weight, and dose of the fragments found in the Basin. The plan for disposition of the fragments is now under development.

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	20	06/03/13 - Employee was getting in a gator when worker bumped head on the doorframe. Body part affected: Head (23078)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Following extensive preparation by the STP, the CHPRC PRB conducted a comprehensive two-week evaluation of the ECRTS Subproject CD-2/3 Package from June 4, 2013 to June 18, 2013.
- CHPRC has formally transmitted the Notice of Transition to RL requesting the State of Washington, Department of Health remove the Cold Vacuum Drying Facility (CVDF) from the Hanford Air Operating Permit and the State of Washington, Department of Ecology remove conditions and limitations associated with CVDF from the Hanford Air Operating Permit. Subsequently, RL formally transmitted the Notice of Transition to the appropriate agencies.

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-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 review complete – incorporating comments prior to submittal to RL.
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 RL in July of 2013. Early procurements of SSC's may be initiated at a higher safety/quality level.	●		Continuing to evaluate strategies reduce SSC Safety Classification for out-year procurements.
STP-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.	●		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.	●		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.			Reflect revised contracting strategy for CD-2/3 Submittal
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Sequestration impacts are implemented. Reporting on this risk will be discontinued
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	4.7	3.3	2.3	(1.4)	-28.9%	1.0	29.7%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$1.4M/-28.9%)

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 (+\$1.0M/+29.7%)

The current month positive variance was driven by a materials inventory adjustment that resulted in a credit and a credit on the previous month's accrual on the Annex construction.

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	381.4	367.8	372.0	(13.7)	-3.6%	(4.2)	-1.1%	606.5	634.6	(27.5)

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. Also reflected are the initial impacts from work suspended due to sequestration.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0012	62.3	62.1	0.1

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

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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June 2013
CHPRC-2013-06, 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. Central Waste Complex (CWC) completed all vegetation spraying at 12B LLBG. Waste Receiving and Processing Facility (WRAP) conducted annual waste container inventory for 2336W, 2404WB and 2404WC. Liquid Effluent Facilities (LEF) processed 1.72M gallons of Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal (KPG) of 7M gallons (5.44M gallons FYTD). LEF received (calendar year [CY]) 41 tankers, 177k 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	21	<ul style="list-style-type: none"> 6/14/13 Employee was securing a ladder when worker bumped against a 9 gauge wire end causing a scratch to the left arm. Body part affected: Arm (23085) 6/25/13 Employee slipped and fell causing a contusion to shoulder. Body part affected: (23093) 6/27/13 Employee was assisting with a lift of a shroud causing a strained shoulder, Body part affected: Shoulder (23095)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

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

13.02 Capsule Storage & Disposition

- 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 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 receipt

- Conducted evaluated Incident Command Post (ICP) drill.
- Completed three month vibration analysis on the supply fans, exhaust fans and pumps
- Supported pre-bid walk down for WESF roof repairs
- Completed the annual Stack Sample Line/Probe inspection which supports the As Low As Reasonably Achievable Technology (ALARACT) Demonstration requested by the WDOH.

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program
- Completed annual MCO Handling Machine (MHM) load cell calibration Technical Safety Requirement (TSR)
- Completed annual MHM MCO grapple pressure switch calibration
- Completed annual air handler AH-004 system control loop calibration
- Completed air handler AH-004 pre-filter replacement and annual High Efficiency Particulate Air (HEPA) filter test
- Completed quarterly Gaseous Effluent Monitoring System (GEMS)-100 test and inspection
- Completed six-month shield door maintenance (fire)
- Completed annual gantry hoist inspections (CRN-012 & CRN-014)
- Initiated cooling coil cleaning and oil-bypass line installation on air compressor CX-1B (two of two)
- Completed quarterly and monthly fire water storage tank inspections

13.07 WRAP

- Conducted annual waste container inventory for 2336W, 2404WB and 2404WC
- Developed a schedule for Preventive Maintenance's (PM) to be performed on the HERTR prior to receipt of the concrete drums.
- Awarded subcontract for nondestructive assay (NDA) analysis and maintenance support to Advanced Technologies and Laboratories International, Inc. (ATL) in support of replacement of the Californium 252 source in the SuperHENC.
- Supported Container Specific Inventory (CSI). This will support the DOE-complex wide Comprehensive Inventory Database (CID)
- Finalized the Regulatory Analysis Memorandum identifying DWF&RS as responsible for obtaining the RBDA in support of disposal of waste at WIPP
- Completed seven Technical Safety Requirement (TSR) surveillances
- Completed 10 Preventive Maintenance (PM) packages
- Completed 76 Radiological (Rad) surveillances
- Completed 42 Operational surveillances

13.08 T Plant

- T Plant operations recovered from an approximately 45 minute power loss to the 221-T, 271-T and 291-T stack on Monday, June 17, 2013. The power loss was from a failed transformer outside of T Plant in 200 West
- Operations pumped the 2706T railroad rainwater to the 225WA sump for future transfer to Treated Effluent Disposal Facility (TEDF)
- Completed seven TSR surveillances
- Completed 18 PM packages
- Completed 250 Rad surveillances
- Completed 204 Operational surveillances
- **Shipments**
 - o Shipped a total of 13 boxes and 2 drums of recyclables from T Plant to the Centralized Consolidation/Recycling Center (CCRC)

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

- Completed Burial Ground 4B trench repairs with heavy equipment operators. Soil erosion due to weather events required additional backfill to repair trench side slopes and ramps
- Completed repairs to LLBG12B subsidence on the asphalt process pad. MSA roads maintenance performed fill-in and leveling repairs with support from CWC/LLBG staff
- Completed all vegetation spraying at 12B LLBG
- Supported MSA vegetation crew spraying of vegetation growth in Burial Ground 4B and 4C
- Completed replacement of 2402WG fire systems piping (~20') identified with a small pinhole
- Applied fixative to concrete waste box 231ZDR-11 and immediate surrounding areas in the Outside Storage Area in accordance with work package 2X-13-03968
- Completed six TSR surveillances
- Completed 12 PM packages
- Completed 188 Rad surveillances
- Completed 61 Operational surveillances
- **Shipments**
 - One shipment consisting of a large overpacked PFP Transuranic mixed (TRU/M) glovebox was shipped from CWC to PFNW for sized reduction and repackaging

13.11 Liquid Effluent Facilities (LEF)

- Processed 1.72M gallons of Liquid Effluent Retention Facility (LERF) Basin 42 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal of 7M gallons (5.44M gallons FYTD)
- Received (calendar year [CY]) 41 tankers; 177k gallons
- Treated effluent to State-Approved Land Disposal Site: 1.9M gallons (3.4M CY)
- Discharged 2.62M gallons (10.63M CY) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (151k gallons) at LERF Basin 44 (0.87M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 67k gallons
- **Operations Activities**
 - Basin 42 waste water processing was suspended on June 27 due to leak in evaporator heat exchanger
 - Received 20 customer waste water drums which will be added to concentrate tanks for processing through the thin film dryer (TFD)
 - Continued receiving Mixed Waste Trench leachate tankers
 - Continued receiving perched water tankers from BP-5
 - Shipped batteries and lamps to Centralized Consolidation/Recycling Center (CCRC)
- **Maintenance Activities**
 - Completed annual maintenance on Environmental Ventilation Unit (EVU)-9 for evaporator and vapor compressor cooling
 - Repaired EVU-10 for TFD room cooling
 - Replaced failed fan on 45B-EVU-2A condenser pump
 - Completed Non-Destructive Examination (NDE) of process tanks (60C-TK-1 and 60C-TK-2)
 - Rebuilt the cooling water pump (95C-P-1) available for spare
 - Changed filters throughout the plant to maintain processing
 - Influent, Auxiliary, Peroxide Destruction Module, Clean-In-Place
 - Performed chemical cleaning of the fine filters
 - Completed installation of the TFD drum fill head
 - Completed repairs to TFD powder level probe (LE-60J-020)
- **Liquid Effluent Retention Facility (LERF) Basin activities**
 - **All Basins**

- Continued with surveys/posting verification activities
 - Completed weekly and monthly inspections with no cover breaches identified
 - Completed installation of wind screen material on east LERF perimeter fencing
 - Continued to supply a clean water source as alternative for wild life
 - Provided multiple briefings to RL and MSA on LERF cleanup status
 - o **Basin 44:**
 - Stop work was issued for movement of LERF vegetation removal because the original process proved ineffective; and had the potential for migration of contamination
 - Collected vegetation piles
 - Fabricated and installed cover assemblies over three vegetation piles and constructed two spare
 - o **Basin 43**
 - Placed pump assembly into Basin 43 in preparation of water removal
 - o **Basin 42**
 - Modified equipment and work documents for vegetation removal
- 13.12 Integrated Disposal Facility**
- Completed required monthly, quarterly and annual calibrations and inspections
- 13.16 Off Site Spent Nuclear Fuel Disposition**
- Maintained coordination for offsite Spent Nuclear Fuel Disposition
- 13.21 Mixed Waste Disposal Trenches**
- Completed one TSR surveillance
 - Completed 16 Radiological surveillances
 - Completed four Operational surveillances
- o **Shipments**
 - Five shipments totaling four drums and 12 boxes were received in 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; establish second water removal system to prevent re-accumulation of water; once water and sediment are removed, a comprehensive cover inspection will be performed and path forward developed for repairs based upon inspection results (no breaches identified).

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-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-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.			Continuing to address biological contamination at LERF and Trench 94.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY13 or beyond.
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) 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. Heat exchanger has failed. 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 offsetting planned efficiencies.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Sequestration impacts are implemented. Reporting on this risk will be discontinued.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.4	6.5	5.5	0.1	1.2%	1.1	16.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (+\$0.1M/+1.2%)

The current period schedule variance is within threshold.

CM Cost Performance (+\$1.1M/+16.1%)

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	765.5	765.1	749.9	(0.4)	-0.0%	15.2	2.0%	1,344.5	1,329.1	15.4

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.4M/-0.0%)

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$15.2M/+2.0%)

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 May to June 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		Spend Variance
	Projected Funding	Spending Forecast	
RL-0013	82.7	80.0	2.6

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

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)



R. S. Popielarczyk
Vice President and
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Environmental Program
and Strategic Planning

June 2013
CHPRC-2013-06, 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 June includes the following:

- 23.2M gallons groundwater treated by KX treatment facility
- 11.3M gallons groundwater treated by KW treatment facility
- 12.2M gallons groundwater treated by KR-4 treatment facility
- 32.8M gallons groundwater treated by HX treatment facility
- 24.9M gallons groundwater treated by DX treatment facility
- 70.3M gallon groundwater treated by 200W treatment facility
- 174.7M gallons of groundwater treated total

Sampling	June	FY2013 Cumulative
Well Sampling Events	93	1645
Aquifer Tube Sampling Events	27	449
Total Number of Sampling Events	120	2094
Samples Collected	838	7974
Analyses Performed	1263	16275

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB2-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Establish a baseline for air emissions at the 200 West Pump and Treat Facility.	10/30/13	On schedule
		A tabulation of emissions, in mass (pounds, kilograms, milligrams, etc.) per year, for constituents of concern (i.e. all constituents analyzed for during quarterly sampling events). Progress will be reported at 25% increments.	Quarterly	Progress at 75%
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	Complete
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	1.42B Gallons treated through 6/30/13
13-EMS-SGWR-OB4-T1	Improve worker awareness of the CHPRC Environmental Management System (EMS)	Provide CHPRC EMS worker awareness training to S&GRP staff, to include: CHPRC Environmental Policy, each person's role in the EMS, S&GRP contributions to the EMS, and identification of key CHPRC programmatic and project environmental points-of-contact.	9/30/13	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 75%
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 75%
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	1	1	6/11/2013 – As employee transitioned from walking on concrete to gravel he twisted his knee and heard a “pop” and experienced pain. Employee was taken to Site Medical, treatment consisted of a cold pack, splinting for support and crutches to assist in walking. He was referred to on offsite Orthopedic Specialist for further evaluation. 23083 (S&GRP)
Total Recordable Injuries	1	1	See Above
First Aid Cases	0	22	N/A
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations RL 30 Integration & Assessments

Technical Integration

- TC&WM EIS Model Transition –Model transition activities continue with model components received in the TC&WM EIS Technology Transfer Document received in April and additional model components received in June. Groundwater flow model simulation tested with the current MODFLOW version, but using the version specified by EIS revealed memory usage issues that are being resolved. Awaiting transfer of two requested Macintosh computers from ORP/SAIC to support TC&WM EIS model transition activities.

DOE O 435.1 Assessments

- ERDF PA – Additional funding received and restarted work on revising the Performance Assessment (PA) to respond to LFRG comments.
- IDF PA – Developed resource loading and task breakdown detail for cost proposal in development for IDF PA.
- WMA C PA – Funding received and work initiated.

River Corridor

100-NR-2 Operable Unit

- The Draft A RI/FS report (DOE/RL-2012-15) and Proposed Plan (DOE/RL-2012-68) were transmitted to Ecology on June 24, 2013, completing TPA milestone M-015-75. Ecology comments on these draft documents are expected August 9, 2013 based on the TPA 45-day review period.

Central Plateau

200-UP-1 Operable Unit

- The Draft B RD/RAWP, incorporating EPA comments, was transmitted to EPA on June 14, 2013 for review through July 14, 2013.

200 West Pump-and-Treat

- During the month of June 2013, the pumping rates for the 200 West P&T ranged from 1,455 gpm to 2,007 gpm.
- During this past month, the two ion exchange resin trains were run between 502 gpm and 546 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 283 kg of carbon tetrachloride and 4,162 kg of nitrate as N (or 18,424 kg nitrate as NO₃) were recovered during the month of June 2013.
- 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	6,910 µg/L*	10,000 µg/L
Carbon Tetrachloride	<2 µg/L	3.4 µg/L
TCE	<1 µg/L	1 µg/L
Total Chromium	7.23 µg/L	100 µg/L
Hexavalent Chromium	7.60 µg/L	48 µg/L
Iodine-129	<0.251 pCi/L	1 pCi/L
Technetium-99	48 pCi/L	900 pCi/L
Tritium	3,000 pCi/L	20,000 pCi/L

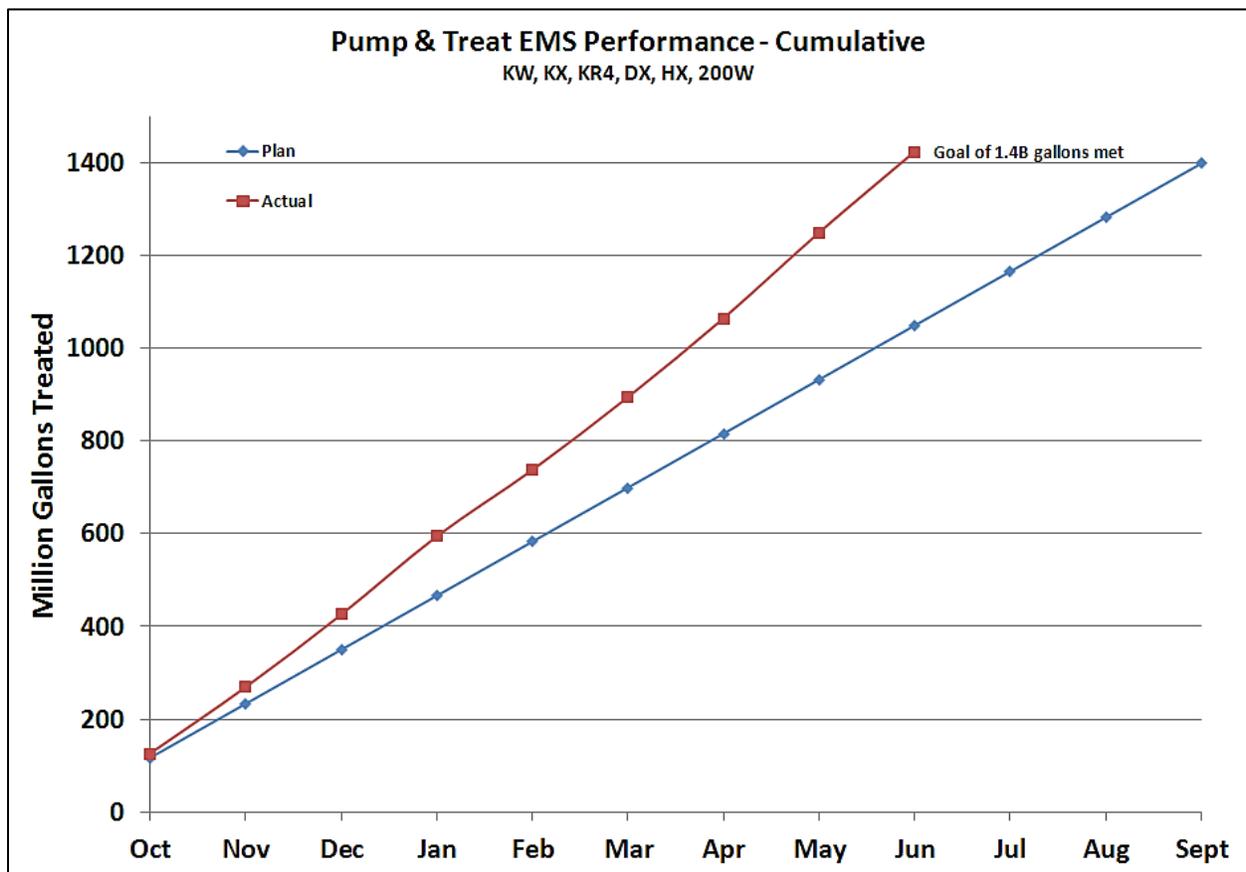
* Average for the month of June 2013.

200-DV-1 Operable Unit

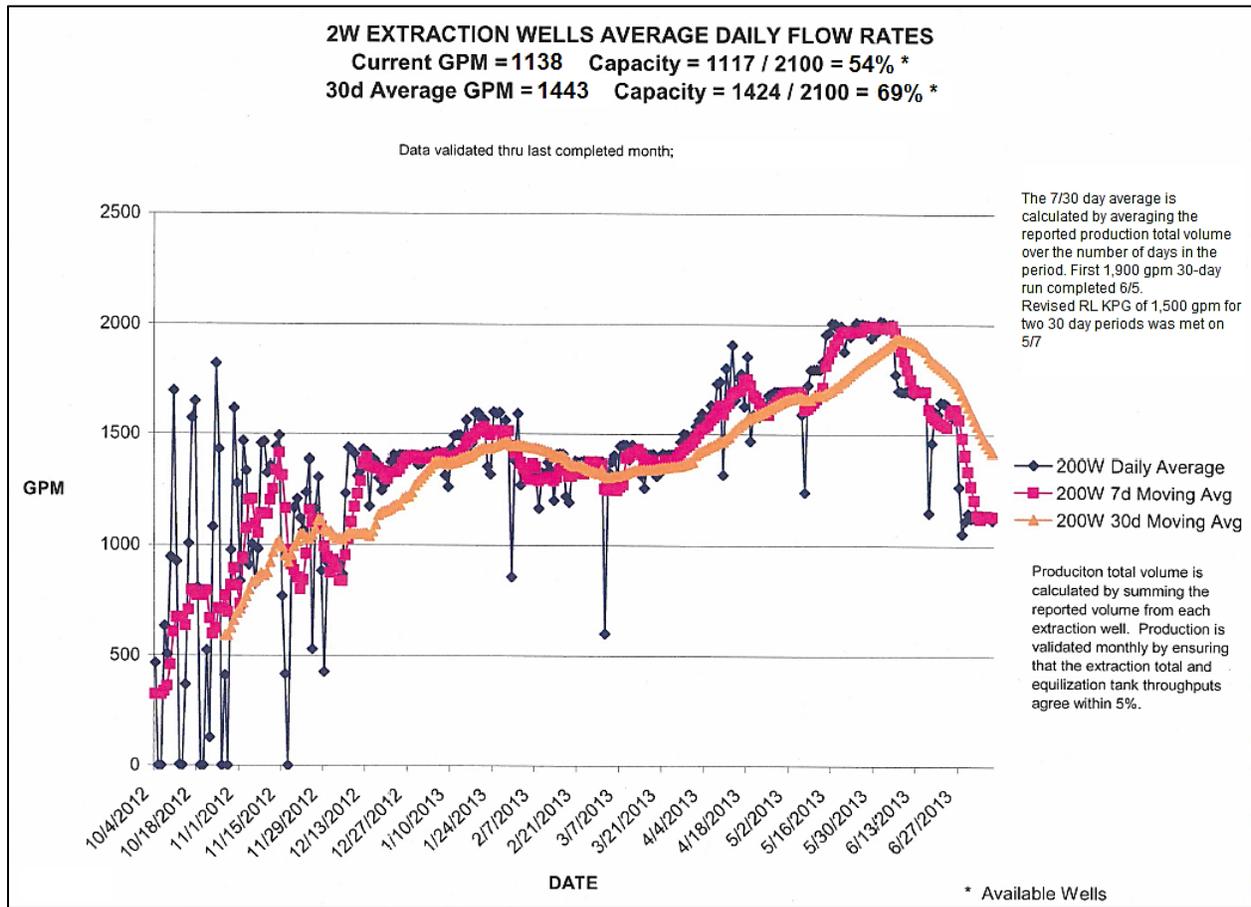
- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 7,280 gallons during the month of June, bringing the total volume of perched water removed to 135,450 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of June:

Contaminant	June	Cumulative (since startup)
Tc-99	14E-04 Ci	15.3E-03 Ci
Uranium	1.03 kilograms	20.7 kilograms
Nitrates	17.6 kilograms	283.3 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 was advanced to the Advisory Council on Historic Preservation (ACHP) (National Review Board) in June.

Corrective Action –

- Select mobilization activities were put on hold pending a decision from ACHP and the Tribes
- Support RL with the ACHP and Tribal submittals 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.
- RL to issue letter to NMFS requesting additional scope to an informal Endangered Species Act Section 7 consultation regarding installation of aquifer tubes.

Status – RL is expected to submit a revised CRR the week of July 8, 2013 and a decision is expected by the week of July 15, 2013. RL is requested to submit letter to NMFS by July 15, 2013 to maintain schedule.

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. The well drilling work has been impacted due to delays in reconciling issues with the State Historic Preservation Officer (SHPO) over the findings of the Cultural Resource Review (CRR) performed by MSA for the well installations. RL has indicated a revised request will be submitted addressing cultural concerns and approval is potentially expected the week of July 15, 2013. In addition, request to NMFS must be sent by July 15, 2013 to remain on schedule.
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.	●		Received all components except two Apple Macintosh computers.
SGW-158: Phase-I Tank Waste EIS Model Transition	CHPRC developed a two-phase test plan to enable the TC&WM EIS Model to be transferred from ORP/WRPS to RL/CHPRC to 1) be placed under configuration control and demonstrate that key EIS cases can be rerun and results are consistent, and 2) be revised and updated for additional uses in support of the Hanford Site mission. Additional analysis will be at the request of the Contracting Officer.	●		Received material and running software code.

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. However, dollars were recently approved to hook up the 3 new extraction wells and one new injection well to the 200 West P&T in FY13 which should help.	●	↔	The extraction/injection well network that is currently on line has successfully provided sufficient flow rates to achieve an average pumping rate of >1,900 gpm for a 30 day period to meet the first half of an FY13 performance incentive. However, a manganese oxide precipitate found coating the inside of injection well screens and transfer lines is now negatively impacting pumping rates.
SGW-156,100K Groundwater Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units. Well installation may be prioritized across the Soil and Ground water project within the current funding authorization. Well installation prioritization will be a joint effort between CHRPC and DOE.	●	↔	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 operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.	●	↔	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues associated with construction risks. 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.	●	↑	Two Long-Lead CHPRC initiated procurements remain. In final closure with one of the contractors and negotiations continue with the other.
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 June remains above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↓	Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope 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	0.0	0.0	0.0	(0.0)	0.0
RL-0030.O1 RL 30 (Operations)	8.5	6.9	6.0	(1.7)	-19.6	0.9	13.1
RL-0030.R1.1 Cleanup Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>0.0</u>	0.0
Total	8.5	6.9	6.0	(1.7)	-19.6	0.9	13.1

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$1.7M/-19.6%)

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

RL-0030.O1 RL 30 Operations (-\$1.7M/-19.6%)

Drilling (-\$0.9M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 are delayed as a result of the Sequestration funding reductions. Also, the BC-5 well drilling and hyporheic sampling activities are on hold as a result of delays in receiving cultural, ecological, and NMFS approvals. Efforts continue to obtain the necessary approvals to complete as much of the BC-5 well drilling and sampling as possible for FY13.

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.

CM Cost Performance (+\$0.9M/+13.1%)

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

RL-0030.O1 RL 30 Operations (+\$0.9M/+13.1%)

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

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)	542.9	535.6	522.0	(7.3)	-1.3	13.5	2.5	1,154.9	1,143.0	11.9
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	883.4	876.1	872.9	(7.3)	-0.8	3.2	0.4	1,495.5	1,494.1	1.4

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$7.3M/-0.8%) – Schedule performance is within reporting thresholds.

RL-0030.O1 RL 30 Operations (-\$7.3M/-1.3%)

Drilling (-\$4.1M)

Well drilling activities for KR-4, HR-3, M-24 and ZP-1 are delayed as a result of the sequestration funding reductions. The BC-5 well drilling and hyporheic sampling activities are on hold as a result of delays in receiving cultural, ecological and NMFS approvals. Efforts continue to obtain the necessary approvals to complete as much of the BC-5 well drilling and sampling as possible for FY2013. However, the variance is expected to continue to grow throughout the remainder of the fiscal year.

CTD Cost Performance (+\$3.2M/+0.4%) – Cost performance is within reporting thresholds. Variances that exceed threshold are primarily the result of prior year activity that has been previously reported:

RL-0030.C1 GW Remedy Implement (-\$13.6M/-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 (+\$13.5M/+2.5%)

Integration and Assessments (+\$6.4M)

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 (-\$2.7M)

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 (+\$3.8M)

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.

Integrated Field Work (+\$2.9M)

Efficiencies have been obtained by reducing subcontracts, reducing the number of cell phones, returning rentals, and loaning labor to other projects for better utilization of personnel. These efficiencies have helped operate with reduced funding constraints.

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

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 (+\$2.3M)

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 0.1% 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	87.2	4.6

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).

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-13-012R0 - Implementation of TPA Change Packages M-85-12-02 and M-15-12-03 into the RL-30 PMB
BCR-030-13-013R0 - Implementation of Change Order 221

FY2013 Management Reserve (Funded): \$0.0M

No Management Reserve was used during June.

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant achievements in project execution. Enforceable TPA milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key activities. The PMB Annual Update, implemented in October 2012, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of TPA enforceable milestones, non-enforceable target due dates and commitments.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-75	Submit RI/FS Report and PP for the 100-NR-1 source OU and 100-NR-2 groundwater OU	TPA	6/30/13	6/24/13		Complete per 13-AMRP-0233
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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
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		11/27/13	In Jeopardy.
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		9/19/13	In Jeopardy.
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
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14		6/1/14	On Schedule
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr FY14 Burial Ground Sample Results	TPA	6/15/14		6/15/14	On Schedule
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14		6/30/14	On Schedule

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)



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June 2013
CHPRC-2013-06, 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 100 radiological facility surveillances, completed 31 Preventive maintenance (PM) activities, completed 231-Z and REDOX roof structure inspection, and performed asbestos cleanup at Plutonium Uranium Extraction Plant (PUREX) and B Plant.

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

- Conducted 100 radiological facility surveillances
- Performed Waste Information Data System (WIDS) site housekeeping (weed spraying)
- Performed asbestos cleanup at Plutonium Uranium Extraction Plant (PUREX) and B-Plant
- Completed 31 Preventive maintenance (PM) activities
- Completed Inactive WIDS Sites Facilities annual surveillances
- Completed 200E Tri-Annual Area WIDS site surveillances
- Completed Quarterly TSD WIDS site surveillances
- Completed 231-Z roof structure inspection
- Completed Reduction-Oxidation (S Plant) REDOX roof structure inspection

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. 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.			Sequestration impacts are implemented. Reporting on this risk will be discontinued.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.8	0.8	0.7	(0.0)	-0.0%	0.2	19.5%

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CM Cost Performance: (+\$0.2M/+19.5%)

Variance is within threshold.

Contract-To-Date

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	373.1	372.8	344.6	(0.3)	-0.1%	28.2	7.6%	488.7	460.8	28.0

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CTD Cost Performance: (+\$28.2M/+7.6%)

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 (\$2.7M), 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 (\$1.7M).

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from May to June 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.

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)



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June 2013
CHPRC-2013-06, 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	0	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Completed revisions to the 105KE Facility Hazard Categorization. Document transmitted to RL for comments.
- 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.
- Supported RL with documentation to respond to EPA Region 10 CAA Sec. 114 Information Request.

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0041				
KBC-ISS-003: Removal and Abatement of material from KE Reactor	Maintain communication through interface and project review meetings with DOE and regulators so concurrence on cleanout strategy will be obtained.			The reactor 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.			Sequestration impacts are implemented. <i>Reporting on this risk will be discontinued.</i>

PROJECT BASELINE PERFORMANCE

Current Month
(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.6	0.5	0.2	(0.1)	-11.8%	0.3	53.8%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.1M/-11.8%)

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/+53.8%)

The variance is within reporting threshold.

Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	301.1	299.9	279.1	(1.2)	-0.4%	20.8	6.9%	467.5	449.2	18.3

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$1.2M/-0.4%)

The negative schedule variance is within reporting thresholds and 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 (+\$20.8M/+6.9%)

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 May to June 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	8.8	1.0

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

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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June 2013
CHPRC-2013-06, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

None at this time.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Completed four PM activities/operational surveillances
- Completed four radiological surveillances
- Sealed roll-up doors to stop water entering into 4717 Reactor Service Building (RSB)
- Received a contract modification to modify or provide a new system for the 400 Area Sanitary Sewer System and eliminate discharges to Energy Northwest by December 31, 2013. Contracted a Professional Engineer and initiated permitting process to design and install a new system.

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities. No unplanned events encountered.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			FFTF performing above Cost Performance of 102%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Sequestration impacts are implemented. Reporting on this risk will be discontinued.
FFTF-013: DOE/ENW Agreement Concerning 400 Area Sewer Flow	ENW notified RL that consistent with the agreement between the two entities for the 400 Area sewer flow, effective January 1, 2014 ENW would no longer accept waste water from the 400 Area.			A contract modification was received in June to modify or provide a new system for the 400 Area Sanitary Sewer System and eliminate discharges to ENW by 12/31/13. Project specific risks are in development in parallel with proposal preparation.

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	58.7%

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/+58.7%)

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	15.3	15.3	13.1	0.0	0.0%	2.2	14.4%	26.5	24.4	2.1

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$2.2M/+14.4%)

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

Estimate at Completion (EAC)

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

The change in EAC from May to June 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	0.3

Numbers are rounded to the nearest \$0.1M

Funds Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

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

Baseline Change Requests

None currently identified.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



June 2013
CHPRC-2013-06, 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 / 05 / 27							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 06 / 23							
			c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009							
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,451,637	3,366		227,695	5,679,332	5,713,883	5,679,332	5,713,883								
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		5,400,656						c. SIGNATURE			d. DATE SIGNED 6/23/2013					
b. WORST CASE		5,455,060														
c. MOST LIKELY		5,486,188		5,455,003	(31,185)											
8. PERFORMANCE DATA																
WBS[1] ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
011 RL-11 NM Stabilization and Disposition PFP	9,290	4,873	7,388	(4,418)	(2,516)	619,277	591,398	615,732	(27,879)	(24,335)	0	0	0	940,255	1,008,539	(68,285)
012 RL-12 SNF Stabilization and Disposition	4,676	3,324	2,337	(1,352)	986	381,473	367,784	371,957	(13,688)	(4,173)	0	0	0	606,548	634,583	(28,035)
013 RL-13 Solid Waste Stabilization & Disposition	6,429	6,506	5,457	77	1,049	765,449	765,083	749,873	(366)	15,210	0	0	0	1,344,498	1,329,131	15,367
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,545	6,868	5,977	(1,677)	892	883,404	876,113	872,921	(7,291)	3,192	0	0	0	1,495,464	1,494,063	1,401
040 RL-40 Nuclear Facility D&D Remainder of Hanford	848	848	683	0	165	373,100	372,767	344,603	(333)	28,165	0	0	0	488,747	460,774	27,973
041 RL-41 Nuclear Facility D&D - River Corridor	580	511	236	(69)	275	301,061	299,875	279,119	(1,187)	20,756	0	0	0	467,474	449,155	18,319
042 RL-42 FFTF Closure	151	151	62	0	89	15,309	15,309	13,111	0	2,198	0	0	0	26,542	24,410	2,132
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	30,519	23,081	22,141	(7,438)	940	3,339,073	3,288,329	3,247,316	(50,744)	41,013	0	0	0	5,369,528	5,400,656	(31,128)
f. Management Reserve														85,533		
g. Total	30,519	23,081	22,141	(7,438)	940	3,339,073	3,288,329	3,247,316	(50,744)	41,013	0	0	0	5,455,060		
9. Reconciliation to CBB																
a. Variance Adjustment										(50,744)	41,013					
b. Total Contract Variance														5,455,060	5,400,656	54,405

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 / 05 / 27							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 06 / 23							
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	VARIANCE		BUDGETED COST		ACTUAL COST WORK	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	PERFORMED (9)	SCHEDULE (10)	COST (11)						
30A - Project Services & Support																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291
30B - WBS 98 PSD Distribution																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)
30C - WBS 98 R&RP Distribution																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)
30W - WBS 98 WFR Distribution																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
34 - Environmental Prog & Strategic Planning																
030.2 - Envir Prog & Strategic Planning	387	387	345	0	42	40,812	40,812	37,445	0	3,368	0	0	0	79,989	76,613	3,376
	387	387	345	0	42	40,812	40,812	37,445	0	3,368	0	0	0	79,989	76,613	3,376
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	6	0	(6)	273,050	273,050	292,892	0	(19,842)	0	0	0	273,050	293,038	(19,988)
	0	0	6	0	(6)	273,050	273,050	292,892	0	(19,842)	0	0	0	273,050	293,038	(19,988)
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	9,290	4,873	7,388	(4,418)	(2,516)	534,418	506,539	537,937	(27,879)	(31,399)	0	0	0	855,396	930,744	(75,349)
	9,290	4,873	7,388	(4,418)	(2,516)	534,418	506,539	537,937	(27,879)	(31,399)	0	0	0	855,396	930,744	(75,349)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	2,311	2,311	1,627	0	684	137,265	137,265	134,536	0	2,730	0	0	0	252,176	259,084	(6,907)
012.2 - Sludge Treatment Project	2,365	1,013	710	(1,352)	303	190,423	176,735	184,285	(13,688)	(7,550)	0	0	0	300,588	322,363	(21,775)
013.1 - Waste Management	6,429	6,506	5,457	77	1,049	658,826	658,460	642,683	(366)	15,777	0	0	0	1,237,875	1,221,941	15,934
040.1 - PRC D&D	0	0	6	0	(6)	191,578	191,578	187,790	0	3,789	0	0	0	225,205	222,003	3,202
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	580	511	236	(69)	275	248,190	247,003	235,637	(1,187)	11,366	0	0	0	414,602	405,673	8,930
042.1 - FFTF	151	151	62	0	89	13,673	13,673	11,573	0	2,100	0	0	0	24,906	22,872	2,034
040.3 - PRC Fac & Waste Site Maint	848	848	677	0	171	42,437	42,105	38,326	(333)	3,779	0	0	0	102,614	98,440	4,174
	12,684	11,340	8,776	(1,344)	2,564	1,549,986	1,534,412	1,494,951	(15,574)	39,461	0	0	0	2,647,403	2,634,342	13,061
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	8,159	6,482	5,626	(1,677)	856	471,916	464,625	438,380	(7,291)	26,246	0	0	0	1,044,799	1,020,208	24,591
	8,159	6,482	5,626	(1,677)	856	471,916	464,625	438,380	(7,291)	26,246	0	0	0	1,044,799	1,020,208	24,591
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	30,519	23,081	22,141	(7,438)	940	3,339,073	3,288,329	3,247,316	(50,744)	41,013	0	0	0	5,369,528	5,400,656	(31,128)
f. Management Resrv.														85,533		
g. Total	30,519	23,081	22,141	(7,438)	940	3,339,073	3,288,329	3,247,316	(50,744)	41,013	0	0	0	5,455,060		

FORMAT 3, DD FORM 2734/3, BASELINE

June 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: 2013/05/27 b. TO: 2013/06/23																
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 \$3,366		e. CONTRACT BUDGET BASE (C + D) \$5,455,003		f. TOTAL ALLOCATED BUDGET \$5,455,060		g. DIFFERENCE (E - F) (\$57)													
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 Jul-13 (4)	+2 Aug-13 (5)	+3 Sep-13 (6)	+4 Oct-13 (7)	+5 Nov-13 (8)	+6 Dec-13 (9)														
a. PM BASELINE (BEGIN OF PERIOD)			1,986,238	41,310	41,009	30,385	29,429	39,890	41,702	30,487	653,426	960,017	1,002,105	428,688	2,325,546	0	5,369,782									
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																										
BCR-030-13-012R0 - Implementation of TPA Change Packages																						0				
BCR-030-13-013R0 - Implementation of Change Order 221																						(255)				
BCRA-000-13-003R0 - 000-Administrative Change for PMB Update Milestone																						0				
c. PM BASELINE (END OF PERIOD)			2,016,757	30,519	29,924	40,811	42,873	30,001	33,423	30,487	653,426	960,017	1,002,105	428,688	2,325,291	0	5,369,527									
7. MANAGEMENT RESERVE																	85,533									
8. TOTAL																	5,455,060									

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 4 - STAFFING											FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD		
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2013 / 05 / 27		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE			b. TO (YYYYMMDD) 2013 / 06 / 23				
			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 Jul (4)	+2 Aug (5)	+3 Sep (6)	+4 Oct (7)	+5 Nov (8)	+6 Dec (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	5	594	6	6	6	10	7	7	63	336		1,035
	5	594	6	6	6	10	7	7	63	336		1,035
32 - Safety, Health, Security & Quality												
000.2 - Safety,Health,Security/Quality	46	4,399	50	57	56	48	48	48	429	2,017		7,152
	46	4,399	50	57	56	48	48	48	429	2,017		7,152
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	18	1,167	18	19	19	16	16	16	157	751		2,179
030.2 - Envr Prog & Strategic Planning	17	1,592	17	15	17	22	22	22	199	1,431		3,337
	35	2,759	35	34	36	38	38	38	356	2,182		5,516
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	59	4,414	66	68	69	71	71	71	635	3,375		8,840
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
	59	6,055	66	68	69	71	71	71	635	3,375		10,481
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	32	2,187	39	39	40	35	35	35	315	1,681		4,406
000.9 - Chief Information Officer	11	700	10	10	10	10	10	10	89	476		1,325
	43	2,887	49	49	50	45	45	45	404	2,157		5,731
38 - Project Technical Services												
000.F - Eng/Procurement & Construction	13	1,340	19	19	19	13	13	13	115	613		2,164
000.T - Proj Tech Svcs	16	1,603	18	18	18	17	17	17	150	802		2,660
030.3 - EPC - Groundwater	1	3,634	2	2	2	0	0	0	0	0		3,640
	30	6,577	39	39	39	30	30	30	265	1,415		8,464
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	386	30,863	391	389	387	496	506	510	4,563	8,879		46,984
	386	30,863	391	389	387	496	506	510	4,563	8,879		46,984
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	97	7,377	103	103	103	112	112	112	1,010	3,240		12,272
012.2 - Sludge Treatment Project	81	6,492	83	83	83	70	72	89	949	2,280		10,201
013.1 - Waste Management	273	33,800	279	293	296	376	378	381	3,205	18,059		57,067
040.1 - PRC D&D	0	7,530	0	4	4	0	0	0	0	1,256		8,794
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	38	2,420	38	39	39	41	41	41	390	1,811		4,860
041.1 - River Zone	12	6,954	16	19	19	30	30	30	269	4,006		11,373
042.1 - FFTF	4	632	4	5	5	7	7	7	62	330		1,059
	505	66,546	523	546	549	636	640	660	5,885	31,469		107,454
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	233	17,816	242	240	238	284	283	290	2,712	14,755		36,860
	233	17,816	242	240	238	284	283	290	2,712	14,755		36,860
Grand Totals:	1,342	138,498	1,401	1,426	1,429	1,658	1,668	1,699	15,312	66,588		229,678

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

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. For RL-0030, Well drilling requirements are being evaluated and prioritized for future drilling campaigns as funds become available. No other corrective actions are required.

Current Period Cost: No corrective actions are required.

CTD Schedule: PBS RL-11, the following corrective actions are in place. No other specific corrective actions are planned at this time. 1. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items have been identified to provide improvements and efficiencies. Schedules are being developed to implement the initiatives. Status: Progress has been made incorporating activities into the Field Execution Schedule (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). 5. A Budget Change Request is being prepared relative to the risk on the reliability of the PRF canyon crane (ECD August 2013). 6. The 242-Z and Balance of 234-5Z D&D work scope will be re-sequenced with the submittal of the FY2014 baseline update in September 2013. 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 24.4% behind schedule and 4.1% under cost in June. Project performance in June was primarily attributed to RL-0011 due to the continued effects of delayed, deferred and restricted work efforts previously reported, deferral of 242-Z D&D field work due to sequestration, and 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; and RL-0030 due to prior year completion of work planned in FY2013, well drilling delays due to sequestration and BC-5 well drilling delays due to cultural and ecological review issues. 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, involve developing the plans to resume construction on the Annex Facility, including correcting some design issues, negotiating the contract changes with the contractor and restarting fieldwork. 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 -\$31.1 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	\$3,366.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$3,366.0

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
BCR-030-13-013R0	<i>Implementation of Change Order 221</i>	2013	\$311.6K

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

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

Prepared by:
Project Control Staff

Date:
7/22/2013

Approved by:

Date:

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

Appendix B

Project Services and Support (WBS 000)



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

M. A. Wright
Vice President for
Project Technical
Services

June 2013
CHPRC-2013-06, 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	65%
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	70%
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	100%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	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. There were no Recordable or First Aid cases within SHS&Q during June 2013.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - Continued progress with the Corrective Action Plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
 - The Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2 has been 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.
 - Provided support to CHPRC Projects for identification and training of Competent Persons for fixed ladder inspections.
 - Received notification that CHPRC was selected for a National VPPPA award. CHPRC was added to VPPPA Best Practices Directory for the 4H peer check review of PAPRs and the use of the “O” ring for filter retention.
 - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Performing reviews/revisions to the General Hazard Analysis (GHA) document.
 - Continued support to PFP for beryllium program implementation.
 - Continued 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 ~90K and provided information to other CHPRC Projects for similar cost savings.
 - Provided support to PFP for use of the PremAire system to facilitate D&D activities in the PRF canyon.
 - Provided Plant Review Board (PRB) support to the DWF&RS Sludge Treatment Project.
 - Developed Computer Based Training for Blood borne Pathogens.

- o Radiological Control accomplishments:
 - Continued to support site-wide Radiological Control committees.
 - Provided support to Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) personnel towards ECRTS ALARA Design Report.
 - Continued to provide 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 for the CHPRC Emergency Preparedness drill program.
- o Nuclear Safety deliverables prepared and transmitted to RL in June include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1302087, dated June 10, 2013, *Transmittal of the 2013 Annual Update of the 224-T Facility Safety Basis and Unreviewed Safety Question Determination Summary.*
 - Letter, CHPRC-1302239, dated June 10, 2013, *Transmittal of the 2013 Annual Update of the B Plant Safety Basis and Unreviewed Safety Question Determination Summary.*
 - Letter, CHPRC-1302175, dated June 19, 2013, *Submittal of Proposed Revision 1 to DD-49580, Final Hazard Categorization for Interim Safe Storage of 105-KE Reactor Building.*
 - Letter, CHPRC-1301433A R2, dated June 24, 2013, *Request for Deferred Implementation of the 105-K West Safety Basis Annual Update.*
 - Letter, CHPRC-1302269, dated June 24, 2013, *Transmittal of the Annual Update to the Solid Waste Operations Complex Master Documented Safety Analysis, HNF-14741, Revision 10, Technical Safety Requirements for the Solid Waste Operations Complex, HNF-15280, Revision 10, and the Unreviewed Safety Question Evaluation Summary.*
 - Letter, CHPRC-1302574, dated June 25, 2013, *Request Concurrence to Extend Aerosol Test Period for Plutonium Reclamation Facility Filters A-12, D-12 and Bank C.*
 - Letter, CHPRC-1302139, dated June 26, 2013, *Transmittal of HNF-5356, Revision 15, Authorization Agreement for Selected 100-K Area Nuclear Facilities.*
- o Nuclear Safety deliverables received from RL in June include:
 - Letter, 13-NSD-0028_RL, dated June 28, 2013, *Request for Deferred Implementation of the 105-K West (KW) Safety Basis Annual Update.*
- o Performance Assurance and Quality Assurance
 - Support the Project Review Board for 100 KW CD-2/3
 - Completed the Effectiveness Review for 100 KW/IUUP finding the overall corrective actions were effective with some minor issues that warranted correction – issues entered into CRRS to track resolution and closure.
 - Revised and issued the causal analysis for review of 100 KW procurement of fire protection components.
 - Issued the *Integrated Safety Management System Description* (PRC-MP-MS-003) to align with current organizational structure and titles, procedure references, and requirement set.
 - Cancelled PRC-MP-SH-40185, Rev 3-1, *Safety, Health, Security & Quality Integrated Environment, Safety, and Health Management Roles, Responsibilities, and Functions.*
- o Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
 - 260 Conditions Reports were screened in June:
 - 0 Significant
 - 3 Adverse
 - 108 Track Until Fixed (TUF)
 - 43 Trend Only (TO)
 - 104 Opportunity for Improvement (OFI)

- 2 Screened Out (factually inaccurate, duplicative of existing Condition Reports)
 - A root cause evaluation is in progress for CR-2013-1111, *Central Waste Complex/Low-level Burial Ground (CWC/LLBG) Specific Administrative Control (SAC) Surveillance Requirement was Performed but not Properly Documented*. Reviews of completed cause evaluation reports continued, with average scores above the goal of 90 percent.
 - A cause evaluation has been chartered to review cross-cutting issues identified in the Chemical Management Core Surveillance (13-OOD-0032) report. The issues relate to missing or incorrect labeling on chemicals and storage cabinets and discrepancies in chemical inventory lists.
 - The Annual Assessment of the Issues Management Program was completed (SHS&Q-2013-MA-12205). The Management Assessment consisted of evaluation of requirements, review of issued Condition Reports, and interview with Issues Management staff. The final report will be issued in July.
 - Currently providing support to two Root Cause Evaluations of NTS-reported issues: NTS-RL--CPRC-SWOC-2013-0001, *Noncompliance with TSR Specific Administrative Control*, and NTS-RL--CPRC-SNF-2013-0001, *Positive USQ – Potential for Hydrogen Gas Release from Containerized Sludge*.
 - A revision to PRC-PRO-QA-24741, *Performance Analysis*, was published.
 - Completed the 10 CFR 835 triennial assessment of Subpart C (includes Subpart E and 402), Standards for Internal and External Exposure, SHS&Q-2013-SURV-10694. Two CRs were issued related to the development and maintenance of project/facility Dosimetry Technical Evaluation (TEs).
 - Continued evaluations of completed management assessments, selected worksite assessment activities, and provided specific mentoring and feedback to assessors and responsible managers.
 - Met with Function and Project Assessment Coordinators to review remaining activities for 2013 and discuss planning for 2014 IEP development.
- o Quality Assurance accomplishments:
 - Provided support to the CHPRC Commercial Grade Dedication (CGD) quality improvement team in development of training for the revised CHPRC CGD process.
 - Supporting the PTS organization in the development of potential contract strategies to restart K-Basin Annex work and on-going resolution of calibration issues with the new Mission Support Alliance calibration contractor.
 - Worked with CHPRC Training to finalize the “voice over” of the new CHPRC QA portion of CGET.
 - The CHPRC QA monthly knowledge enhancement briefing for June was on the proper conduct of electrical inspections along with the correct use of electrical measurement equipment, such as a megger or multimeter.
 - Developed a new QA performance measure tracking the total number of NCR’s issued in the CHPRC on an annual basis. This measure also tracks the mean time to closure of NCRs as well as the type of disposition that was selected.
 - Supported the Procurement organization in the development of a new CHPRC specific “Control of Materials Stored in the Field” procedure.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.

Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implementing pilot program proposal.

- 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 Board to help expedite PFP strategy innovations to PRC and RL senior management.
Action: T. Bratvold presented SHS&Q involvement strategy to RL/ASME staff.

Environmental Program and Strategic Planning (EP&SP)

• Environmental Protection

- o **Compliance Item Status – Asbestos:** On April 25, 2013, the US Environmental Protection Agency, Region 10, submitted to RL a “Request for Information Pursuant to Section 114 of the Clean Air Act for Asbestos National Emission Standards for Demolition Activities”. On June 26, 2013, CHPRC transmitted a formal, certified response to the EPA information request to RL.
- o **Central Waste Complex Box and WRAP Drum Leak Enforcement:** An agreement on the AO between EPA and RL is complete and the Order was effective on June 26, 2013. CHPRC now has 120 days to revise and create Closure Plans for areas within some of the SWOC units. Additional resources have been obtained to help with this compliance task. Discussions continue between CHPRC, RL and Ecology to resolve remaining compliance allegations. Negotiation workshops have been held to discuss the Ecology compliance concerns and agree on corrective responses. Several issues remain as sticking points from these discussions relating to the use of AK, inspection frequency, the definition of debris and direct inspection of unscanned/NDE'd containers. The tolling agreement was extended for 30 days to allow for further negotiation.

• Environmental Management System

- o The external recertification audit of the ISO 14001 EMS occurred on June 25-26, 2013. The results were exceptional with 0 major nonconformities, 0 minor nonconformities, 0 OFIs and 11 proficiencies. Five RL sustainability award nominations were submitted to MSA for review and subsequent submittal to RL for award consideration.

• Environmental Compliance & Quality Assurance (ECQA)

- o **Assessments Completed in June**
 - An External EMS NSF Audit was completed and resulted in no Major or Minor Findings and no Opportunity For Improvement (OFI).
 - Environmental Compliance Inspection of Cultural and Ecological Resources identified two OFI's.
 - Environmental Compliance Inspection of NEPA and State NEPA were completed June 28, 2013. No Findings or OFI's identified.
 - Work Site Assessment on Universal Waste identified one OFI.
 - An Environmental Compliance Officer (ECO) performed a Management Observation Program (MOP) to review 8 weeks of leachate pump and leachate totalizer data (POP-30-003 Appendix A) and daily leachate rate calculations. Several errors were identified in the Leachate Rate Calculations which resulted in one finding.
 - An ECO observed a load in of quick lime at the 200 West Pump-&-Treat Facility. Quick Lime is used to stabilize sludge. This MOP identified no issues.
 - An ECO crosswalk of ETF was performed and was documented as a MOP. No issues were identified.
- o **Assessments in Process**
 - Planning was initiated on the Independent Assessment of RCRA implementation and is to be

- completed by August 31, 2013. The entrance meeting is scheduled for July 22, 2013.
- Management Assessment (MA) of Risk & Modeling Integration is in progress and will be completed by July 31, 2013.
 - Environmental Compliance Inspection (ECI) of drinking water is in the planning process and will be completed by July 31, 2013.
 - ECI of TSCA/PCB requirements is in the planning process and will be completed July 31, 2013.
- o **Assessments upcoming this Quarter**
- QA Surveillance of the Management of Radioactive Waste
 - ECI of Universal Waste and Container Closure at DWF&RS
 - ECI of Regulatory Reporting
 - ECI of Non-Dangerous Waste
 - Sitewide Walkdown Followup ECI is scheduled for September.

Business Services

• Acquisition Planning

- o Working with Projects to determine contract needs for FY2014 and Option Period to update the Acquisition Plan and FY2014 small business plan.
- o Supporting new Subcontracting and Staffing Strategy including communications development, job description reviews, and solving personnel disposition issues.

• Facilities and Property Management (F&PM)

- o The FY2013 physical inventory of Government property commenced on March 4, 2013. To date, 86.58% of the items have been accounted for. Five (5) portable generators are now reported as a suspected theft, counting as inventory campaign losses. No other losses identified.
- o During June, the remaining two (2) leased ARRA mobile offices were returned to the vendors. All 62 leased mobiles acquired during ARRA have now been dispositioned. F&PM has targeted the remaining seven (7) base leased mobiles for purchase based on a revised lease vs. buy analysis.

• Procurement

- o For the month of June 2013, the Procurement group awarded 38 new contracts with a total value of \$1.22M, and amended 75 existing contracts with a total value of \$3.2M, for a grand total of \$4.4M. Additionally, awarded 230 new material Purchase Orders valued at \$577K to support ongoing project objectives.
- o At the end of the first 57 months of the PRC, procurement volume has been significant; \$2.065B in contract activity has been recorded with approximately 48.7%, or \$1.0B, in awards to small businesses. This includes 6,196 contract releases, 15,257 Purchase Orders, and 187,538 P-Card transactions.
- o The drilling program is currently experiencing schedule impacts due to unexpected cultural review issues involving the state historical preservation office (SHPO), DOE and tribal sensitivities. The first drilling program to be affected was the eleven BC-5 wells, which had been competitively bid, awarded, and subsequently placed on hold when the final SHPO cultural clearance was not received as expected. A meeting was held with the S&GW Project to discuss the impacts of the cultural issues, to mitigate down time (expected to be up to 30 days), and to retain the licensed drillers hired by the contractor for the BC-5 drilling campaign. Subsequently, the S&GW Project developed Statements of Work and issued under the Contract blanket master agreement. This approach maintained the mobilized experienced drillers while historical reviews could be completed. The additional authorized work was awarded under fair cost estimate.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance & Change Management (CC&CM)**
 - o In June, Prime Contracts received and processed four (4) contract modifications (numbers 273, 274, 275, and 276) from RL. Correspondence Review received and determined the distribution for 26 incoming letters/documents from RL and the Prime Contracts Manager reviewed 43 outgoing correspondence packages.
 - o Prime Contracts worked with representatives of the Safety, Health, Security, and Quality organization to submit to RL on June 10, 2013 a formal notification of change for implementation of training requirements under Hanford Chronic Beryllium Disease Prevention Program, DOE-0342, Revision 2, and Associated Implementing Procedures.
 - o Prime Contracts worked with representatives of the Environmental Program and Strategic Planning organization to submit to RL on May 28, 2013 a letter notifying them that the Technology Transfer Document received from the DOE Office of River Protection (ORP) was deficient and that if these deficiencies were not addressed, would result in a change to the PRC. CHPRC is working with RL and ORP to resolve these deficiencies.
 - o CC&CM worked with representatives of the Soil & Groundwater (S&GW) Project and DOE-RL on potential Change Orders related to the revised strategy for management of investigation derived waste, expansion of the 100-NR-2 Operable Unit apatite barrier within the Vadose zone, and Continuation of 200B Area perched water pumping activities. The RL S&GW Project has indicated their desire to incorporate these potential Contract changes into the FY2014 Performance Management Plan (PMB) update. To do this, Change Orders and FY2014 Not To Exceed values will need to be issued by RL in time for CHPRC to incorporate them prior to the planned August 15, 2013 submittal to RL of the PMB update.
 - o 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 preparation of the updated project estimate for the Critical Decision (CD)-2/3 Review of the project.
 - Estimating supported the CHPRC Project Review Board (PRB) CD-2/3 Review of the project estimate and schedule and initiated incorporation of comments from the PRB.
 - Estimating met with STP representatives on June 26, 2013 to kick off development of Change Proposals addressing the impacts of the initial FY2013 funding and the FY2013 Sequestration.
 - Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) Project
 - Continued to work the development of CHPRC's Change Proposal in response to prospective Change Order #188, Integrated Disposal Facility Performance Assessment Revision. This Change Proposal is due to RL August 15, 2013.
 - PRC Modification 273, transmitting Change Order # 195, Eliminate 400 Area Sewer Discharges to Energy Northwest, was received June 10, 2013. This Change Order is on the DOE-HQ 180 tracking list. A kick-off meeting for the development of CHPRC's Change Order in response to CO #195 was held June 14, 2013. CHPRC's Change Proposal is due to RL August 6, 2013.
 - Plutonium Finishing Plant (PFP) Closure Project:
 - Estimating continued to support preparations and advanced planning for the FY2014 PMB updates specific to demolition work scope elements.
 - Efforts on the preparation of Change Proposals addressing the impacts of PFP chemical hazards identification and mitigation and the impacts of sequestration continued.
 - Soil & Groundwater Remediation (S&GRP) Project:

- During June, Estimating continued to work on finalizing CHPRC's response to RL's request to provide information on the actual costs and subcontracts associated with CHPRC's change proposal for Change Order #107, Addition of S-SX Interim Groundwater Extraction System.
- Change Order #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. This Change Order is on the DOE-HQ 180 tracking list. CHPRC's Change Proposal in response to the Change Order was delivered to RL on June 11, 2013.
- During June Estimating finalized CHPRC's Change Proposal in response to prospective Change Order #223, 200-UP-1 OU Continued Operations and Maintenance of the S/SX Interim Extraction System. Routing for internal approval of the formal transmittal to RL was initiated the end of June.
- Project Technical Services (PTS):
 - Provided Estimating and Schedule experts in support of the CHPRC PRB review of STP CD-2/3 readiness.
- o Activities associated with Sage/Timberline estimating software and estimating system administration included the incorporation of newly established CHPRC labor rates for FY2014 and future years.
- **EVMS Compliance and Reporting**
 - o Continued tracking furloughs as required to stay within funding as impacted by sequestration
 - o Continued development of the Annual PMB update
 - o Drafted decrement case funding scenario for FY2014
- **Strategic Planning and Integration**
 - o **Interface Management**
 - On June 25, 2013, released draft revisions to PRC-PRO-MS-10472, Rev. 1, Chg. 1, Interface Management, which reflects current work scope, responsibilities, and process into the PPS System for review by subject Matter Experts. Anticipate next phase completion July 10th, 2013
 - On June 25, 2013, completed review and comment phase to the 2013 Infrastructure and Services Alignment Plan (ISAP) and submitted to MSA.
 - Continued development on the Interface Management SharePoint site. Anticipate completion September 30, 2013.
 - 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:
 - Fire Protection Engineering
 - o Comments on final draft from CHPRC and WRPS were incorporated today 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.
 - o 100K Area Water
 - o On June 19, 2013, submitted draft white paper to MSA for development of the Business Case.
 - o Completed Attachment J.3 – Hanford Site Services and Interface Requirements Matrix, #34 Biological Controls interpretation for Decommissioning, Waste, Fuels, & Remediation Services.

- o Developed, submitted, and responded to comments on two Green IT DOE Sustainability Awards:
 - Vendor Submittal Workflow
 - CHPRC Procedure System (PPS)
- o Received internal customer approval to not enter into an AIA with WRPS for Calibration Models Site. Verified that the language in the Statement of Work (SOW) (36654-42 Logging Equipment Calibration Support) fully supported to the detail all upcoming work associated with the Calibration Models Site. Action Closed
- o Completed review and concurrence on Revision 2 of the Hanford Site Interface Management Plan.
- Information Management
 - o Completed workgroup cell phone upgrades, including Upgrade of 70+ phones to current model and cancellation of 10 unused accounts
 - o Continued support of preparation of tools to be used for leadership impact initiative
 - o Supported all managers meeting
 - o Provided logistics and poster preparation for Moniz visit
 - o Updated intranet sites for strategic planning, Interface Management, and Project Technical Services
 - o Continued support to Operating Record Project

Project Technical Services (PTS)

- **Central Engineering (CE)**

- o CE is chairing and leading the Sludge Treatment Project (STP) Engineered Container Retrieval and Transfer System (ECRTS) Project Review Board (PRB). PRB membership includes staff from the PTS, SHSQ, S&GRP, Environmental and Strategic Planning, and PC&PI organizations. The exit briefing was held June 24, 2013. A final report is targeted for publication the week of July 8, 2013.
- o CE continues to support the STP by chairing and contributing to the ECRTS Delta Design Review. Open items related to piping stress calculations are close to closure; CE staff has been imbedded with AECOM engineering in an effort to streamline the review/comment process. As part of this review, review of supporting drawings and specifications were also performed. Closure of Review Comment Record (RCR) forms was initiated by the Project the week of June 24; CE staff with open RCRs have been working closely with the Project to ensure RCR resolution and to provide closure signatures as soon as resolution has been achieved.
- o CE received word this week that the NFPA 801 Committee has tentatively approved the Appeal submitted by Andy Minister of PNNL and supported by CHPRC and INL. This appeal has an impact on the NFPA code for nuclear facilities (NFPA 801) by making the code less prescriptive and more performance based for gloveboxes, hot cells, and hoods (using the FHA process). There is a potential for reduced costs from less equipment and less procedural requirements.
- o The CHPRC Deputy Fire Marshal completed the TSR requirements for the following facilities: LLBG Combustible loading Surveillance; WRAP Combustible Loading Surveillance; & CWC – Annual Assessment of the FHA Key Assumptions.
- o CE provided 200W P&T with directions for procuring a non-NRTL spray water booster pump that was recommended as a replacement for an existing/installed pump model that is obsolete. The air samplers were AHJ approved for use in lieu of NRTL certification on the basis of a previous NRTL field evaluation that accepted the same manufacturer/model air samplers.
- o CE assisted LWFS engineering in determining the cause of failure of two area radiation monitors (ARM) that are used for HEPA filter monitoring at WESF. CE confirmed WESF's approach to have a replacement and backup ARMs recalibrated while concurrently troubleshooting the cable for failure.

- o CE is documenting the results of the extensive independent review completed for STP I&C design required to meet CD-2/3 requirements which will be included in the STP Delta Design Review Report.
- o CE is supporting DWF&RS in the response to Contract Modification 273 to eliminate 400 Area sewer discharges to Energy Northwest.
- o CE is reviewing the application of the ShakeCast software and the database developed by MSA for predicting the potential damage of buildings/structures if a seismic event occurs affecting the Hanford area. The review is to evaluate whether this method can be applied for the evaluation of the Safety Significant and Safety Class structures.
- o CE supported Central Environmental organization on qualifying the technical differences between the site air permit wording and current Nuclear Air Cleaning Code wording regarding aerosol challenge particle size distribution. Once the wording is finalized, a presentation to Washington State Department of Health (WDOH) will be scheduled.
- **Procedures and Training**
 - o Globally Harmonized System training has been added to individual training plans; 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 98% complete for this activity.
 - o The Procedures and Training groups worked together on a revision of the Training Implementation Matrix that will be submitted to RL for approval at the end of July. Changes to the matrix occurred, and were rerouted back to Nuclear Safety for review. Correspondence has been drafted for transmittal to RL.
 - o PTS 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 2-day PRC Leadership Impact Initiative training was completed. Seventeen Tough Day at Work Scenarios and a consistent set of questions that support problem analysis and solution development for the scenarios were crafted. The Pilot Session is scheduled for August 22, 2013.
 - o PTS Procedures and Training are working with the S&GRP managers, trainers, and procedure writers, to finalize the “Balanced Approach to Training and Procedures” plan for the 200 West and River Corridor Pump and Treats. An additional trainer and procedure writer (from DWF&RS) have been assigned to support this effort. The decision/analysis rationale process and identified documentation requirements has been finalized. A meeting with S&GRP management to brief the plan and status progress was completed June 27, 2013.
 - o Craft Specific Fissile Material Handler certification training at PFP commenced on June 27, 2013.
 - o PFP training cost avoidance and efficiency initiatives since October 1, 2012, equate to \$363,072.00.
 - o PTS Training worked with PTS CE to finalize the engineering qualification program upgrade plan. This plan includes improving the Design Authority, Systems Engineer, Fire Protection Engineer, and Engineering Manager qualification cards, training documentation, and process.
 - o Completed Work Site Assessments (WSA) on topic “Work Processes are controlled by approved instructions, procedures, design documents, technical standards” for PFP and DWF&RS. WSAs for central programs and S&GRP and the roll-up management assessment for entire program will be completed by end of July.
 - o PTS Procedures and Training completed monthly safety walk downs for Training and Procedures administrative buildings in 200 East.
- **Operations Program**
 - o Two Conduct of Work Mentors have changed assignments to capitalize on their individual skills. This transfer aligns the Operational mentoring requested for WESF/CSB/ETF and D&D mentoring for PFP.

- o A Conduct of Work Mentor was part of a PFP team benchmarking trip to observe supplied air use at CWI for possible improvements our own D&D efforts.
- o The PTS Operations Program performed a WSA at S&GRP, evaluating Conduct of Operations implementation in the field. No findings were noted.
- o The PTS Operations Program supported the Environmental Management System (EMS) audit interview with the target area of calibration of Environmental Equipment. A list of facility equipment with Environmental driven PM activities was provided and received good remarks.
- **Project Delivery**
 - o Annex Construction
 - The concentrated focus has been placed on restart planning, contract and field support needed for the Annex project as well as the 105KW in Basin modifications.
 - The ECRTS Project constructability activities commenced on June 5, 2013, and concluded with Constructability review workshop which took place on June 19 & June 20; comments have been compiled, and are being prioritized and assigned for follow-up action. An engineering review focused on the concrete and structural steel comments was initiated this week on June 26, 2013
 - On June 25, 2013 a restart letter authorizing the remobilization of staff and craft was issued the Construction Contractor, FE&C. Restart preparatory construction fieldwork is expected to begin in August 2013. The construction restart schedule is being revised in parallel to align with actions emerging from the Constructability Review
 - The Construction Lay-up report received final approval and was issued on June 25, 2013.
 - o 100K Water Treatment Facility Evaporative Cooler
 - The duct fabrication submittals are approved as of June 24, 2013. The submittals required several revisions to meet fabrication and welding requirements. Duct fabrication commenced on June 26, 2013. Delivery and installation of the assembly is planned for the week of July 15, 2013.
 - o Miscellaneous Construction Activities
 - Trench 94 Construction Planning
 - Intermountain Material and Testing resubmitted the Geotechnical Analysis report with response to SME review comments. The report is routed for review and approval.
 - o CSB Hand Rail Modifications
 - Walkdown with DWF&RS and PTS was completed on June 28, 2013.
 - o WESF Pool Cell Ladder Installation
 - Material take-offs are completed.
 - Work planning job walkdown completed with DWF&RS and PTS personnel.
 - o 2025E Building Exterior Repair
 - Discussions on the extent /cost of the repairs vs. MSA authorized funding limit are continuing.
 - o WESF Lower Roof
 - One contract proposal was submitted, and is in review.
 - Contract Proposal Technical Review in progress with PTS and DWF&RS personnel.
 - o 100DX Pump-and-Treat Well Head Tie-In
 - Fieldwork is 90% complete. Remaining work is pending installation of the transfer pump which is scheduled to install by S&GRP Personnel NLT July 12, 2013.
 - o 100KW Pump-and-Treat Realignment
 - Field Work is 95% complete with approximately 3000 feet of HDPE has been installed and bonded. PTS Self Perform completed all the required shop fabrications for the filter housing and piping assemblies, in the PTS Fab Shop.
 - o 100H Pump-and-Treat Realignment

- Work package planning is 100% complete.
- o Miscellaneous Construction Activities
 - MO-2219 Relocation
 - MSA and PTS personnel completed the power isolation to MO-2219 on June 28, 2013.
- o Project Delivery 90-Day Look Ahead
 - Complete installation of 100K evaporative cooler by July 26, 2013.
 - Issue WESF Roof Repair contract by July 12, 2013.
 - Complete the 100 DX, 100KW, and 100H P&T well alignments by July 31, 2013.

Communications

• Internal Communications

- o Working with CHPRC project teams to talk about the cleanup path forward, including individualized project communications (PFP news bulletin) and sharing of videos on projects' lessons learned.
- o Produced one episode of InSite, the CHPRC monthly internal news broadcast. The episode highlighted efficiency on the Soil & Groundwater Remediation Project, Bike to Work month, and community events.
- o Produced four issues of the Weekly Update, the weekly bulletin, with manager messages from Dee Millikin, Communications Director; Rick Millikin, Prime Contract and Project Integration Vice President; Moses Jaraysi, Environmental Program and Strategic Planning Vice President; and Vicki Bogenberger, Chief Financial Officer and Vice President of Business Services.
- o Supported employee communications regarding the next stage of the subcontracting and staffing strategy for the option period.

• Media

- o Issued a press release about the groundwater treatment resin in use at the pump and treat systems along the river that is delivering \$3 million in annual savings. The accomplishment was featured in the Tri-City Herald and the RL social media sites, as well as the EM newsletter.
- o CHPRC's removal of a 10-ton glovebox and revegetation of waste sites along the river were featured in the Hanford Forward, the Hanford quarterly news magazine.
- o Supported RL on a tour with Secretary of Energy Ernest Moniz at the 200 West Pump-and-Treat.

• Public Involvement

- o Planned and developed information products including a fact sheet and newspaper ad for the public involvement process for the 300 Area Proposed Plan. The public comment period runs from July 15 through August 16, 2013 and public meetings are planned in Richland, WA; Seattle, WA; and Hood River, OR.

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	22.1%
Safety, Health, Security and Quality	1.1	1.1	0.8	0.0	0.0%	0.3	25.0%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	9.3%
Business Services	1.5	1.5	1.4	0.0	0.0%	0.1	8.9%
Prime Contract and Project Integration	1.5	1.5	1.4	0.0	0.0%	0.1	6.2%
Project Technical Services	0.5	0.5	0.5	0.0	0.0%	0.0	8.3%
Indirect WBS 000 Total	5.1	5.1	4.5	0.0	0.0%	0.6	11.7%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

CM Cost Performance: (+\$0.6M/+11.7%)

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	0.7	0.0	0.0%	0.0	6.4%	1.0
Safety, Health, Security and Quality	10.4	10.4	9.5	0.0	0.0%	0.9	9.1%	14.3
Environmental Program and Strategic Planning	2.8	2.8	2.9	0.0	0.0%	(0.1)	-4.9%	3.9
Business Services	14.8	14.8	14.8	0.0	0.0%	0.0	0.3%	20.2
Prime Contract and Project Integration	14.9	14.9	13.7	0.0	0.0%	1.1	7.5%	21.3
Project Technical Services	5.0	5.0	4.7	0.0	0.0%	0.4	7.5%	6.9
Indirect WBS 000 Total	48.6	48.6	46.2	0.0	0.0%	2.4	4.9%	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: (+\$2.4M/+4.9%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-000-13-003R0 – 000-Administrative Change for PMB Update Milestone

FY2013 G&A Analysis (\$M)

WBS 000 Project Services and Support	FY2013					
	FYTD	FYTD	FYTD	FY2013	FY2013	FY2013
	BCWS	Actual	Variance (O)/U	BCWS	Forecast	Variance (O)/U
General & Administrative (G&A)	48.6	46.2	2.4	67.6	65.6	2.0
Communications	0.7	0.7	0.0	1.0	1.0	0.0
Safety, Health, Security and Quality	10.4	9.5	0.9	14.3	13.1	1.2
Env. Program & Strategic Planning	2.8	2.9	(0.1)	3.9	3.9	(0.1)
Prime Contract and Project Integration	14.9	13.7	1.1	21.3	20.0	1.3
Business Services	14.8	14.8	0.0	20.2	20.7	(0.5)
Project Technical Services	5.0	4.7	0.4	6.9	6.9	0.0
		FYTD			FY2013	
G&A Distribution		(45.0)			(61.9)	
G&A Liquidation (Over)/Under		1.2			3.6	

Liquidation Analysis

- For FY2013, Project Services and Support (PS&S) consists of only General and Administrative (G&A) accounts. For the month of June, application of the G&A rate under-liquidated total G&A cost by \$1.2M. The FY2013 year-end projected under-liquidation of \$3.6M 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.