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Executive Officer

Monthly Performance Report

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April 2013
CHPRC-2013-04, Rev. 0

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EXECUTIVE SUMMARY

- The Plutonium Finishing Plant Closure Project (PFP) conducted a Value Engineering session to identify opportunities for improvement and efficiencies to enhance operations and safety on the project, including several near-term actions to help safely and efficiently accelerate progress in deactivation, decommissioning, decontamination, and demolition.
- The Engineered Container Retrieval and Transport System (ECRTS) design team at the Sludge Treatment Project (STP) is on track to complete comment incorporation and approve the final design package in mid-May. Sludge depth and dose measurements of all K West Basin pits are now complete. Adjacent to the KW basin, the construction contractor for the KW Annex demobilized and the site has been placed in a safe and stable state pending the resumption of work following suspension due to Sequestration.
- The Soil & Groundwater Remediation Project (S&GRP) met its fiscal year goal to treat contaminated groundwater to remove 220 kilograms of hexavalent chromium and 1,600 kilograms of carbon tetrachloride this fiscal year. The project also continued Pump-and-Treat Operations with 170 million gallons of groundwater treated in April for a total of 1,065 million gallons treated in FY2013.
- Effluent Treatment Facility (ETF) operations continued with nearly three million gallons of Basin 43 waste water processed – nearly halfway to the FY2013 Key Performance Goal.
- CHPRC conducted internal ISO 14001 audits of its Environmental Management System (EMS), the company's certified management tool for ensuring environmental protection practices across the CHPRC projects. The draft report is out for technical and factual review; results will be used to prepare for an external assessment scheduled for June.
- The Tri-Party Agreement (TPA) change packages from the Tentative Agreement for the renegotiation of milestones were signed by the Tri-Parties Agencies on April 18, 2013. These included milestone packages for the M-015, M-085, and M-093 milestone series that are affected by reprioritization of activities for the next several fiscal years.



Groundwater sampling along the River Corridor



Layup at the 100KW Annex Project

Focus on Safety

- The President's Zero Accident Council (PZAC) meeting for April 2013 was hosted by CHPRC's new organization Project Technical Services (PTS). The three main topics for the meeting were:
 - o Distracted Driving Awareness Month
 - o Call Before You Dig
 - o Fire Safety

The inaugural PTS PZAC presentation was based on the National Safety Council's campaign recognizing April as Distracted Driving Awareness Month. Discussed CH2M Hill's policy regarding the use of wireless devices while driving during working hours. CHPRC has incorporated the policy and enhanced it by emphasizing the avoidance of all distractions while behind the wheel at work or at home. The next presentation unearthed new information related to digging on a Hanford project or in your own backyard. In addition to explaining the Hanford Site excavation, trenching and shoring process, the presentation revealed a free State service called Washington 811. Washington law requires anyone planning to excavate to know what is below ground. Besides being illegal, digging in the blind is unsafe and could disrupt vital utilities. A 10-minute phone call to 811 or perhaps even less time through the alternate online process, will dispatch a utilities worker to mark unburied lines at no cost to the user. All agreed this groovy state-wide service is something everyone can dig! A Fire Safety presentation ignited interest on understanding the importance of Hanford Fire Danger Bulletins and how they relate to restrictions for off-road vehicle travel. The meeting concluded after presentations on additional topics and integral staples such as an injury report, a review of CHPRC's safety performance, Stretch and Flex, updates on the Environmental Management System (EMS) and the Voluntary Protection Program (VPP), a briefing on avoiding the inherent hazards of outdoor grilling, and Good News Stories. Five "*Thinking Target Zero*" bulletins were published in April to convey important environmental and occupational safety and health messages:

- o Bloomin' Allergies
- o Head to Toe Safety
- o VPP Pocket Guide Games
- o Earth Day
- o Motorcycle Safety
- The April *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - o Recycling
 - o Meeting Distractions
 - o Ethics: What Would You Do?
 - o Occupational Safety & Industrial Hygiene Hotline
 - o Prohibited Articles
 - o Employee Job Task Analysis
 - o Maintaining Focus
 - o Government Vehicle Use
 - o VPP Pocket Guide Information and VPP Bingo

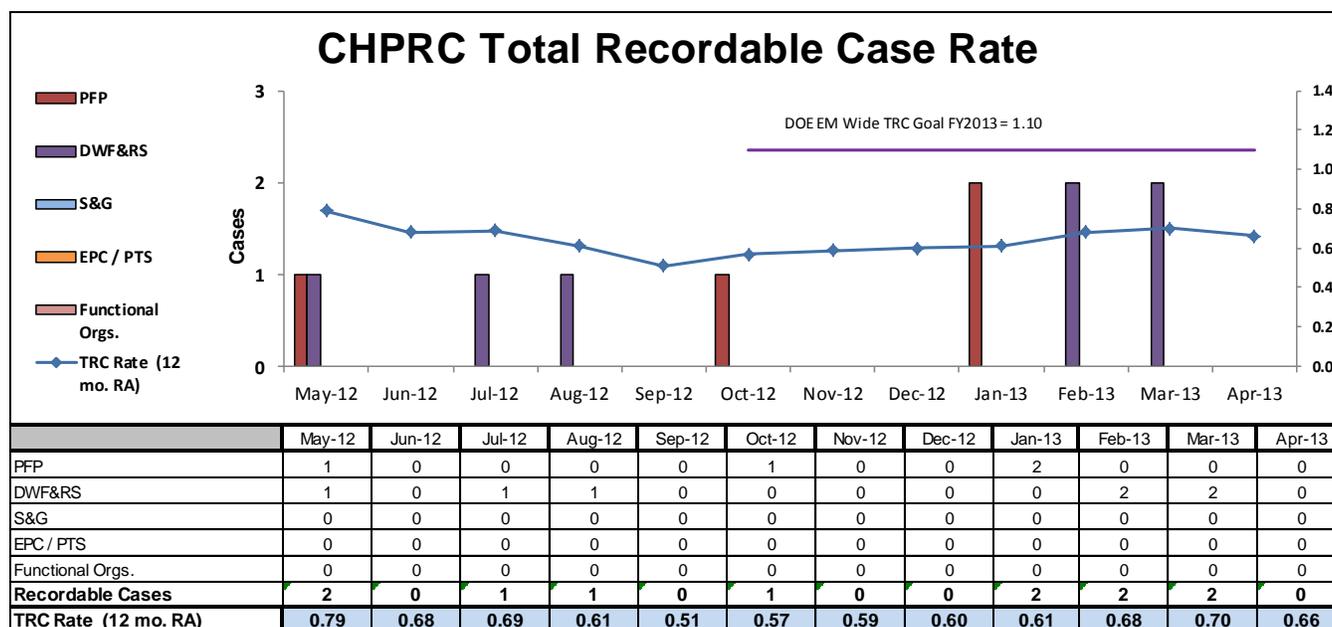


- o Occupational Medical Provider Health Fairs
- o Earth Day 2013
- o Prescription Medication in the Workplace
- o Focusing Keeps You Safe!
- o Bike to Work
- o Weekly Staples: Injury/Illness Summaries, Close Calls, and the VPP Weekly Spotlight

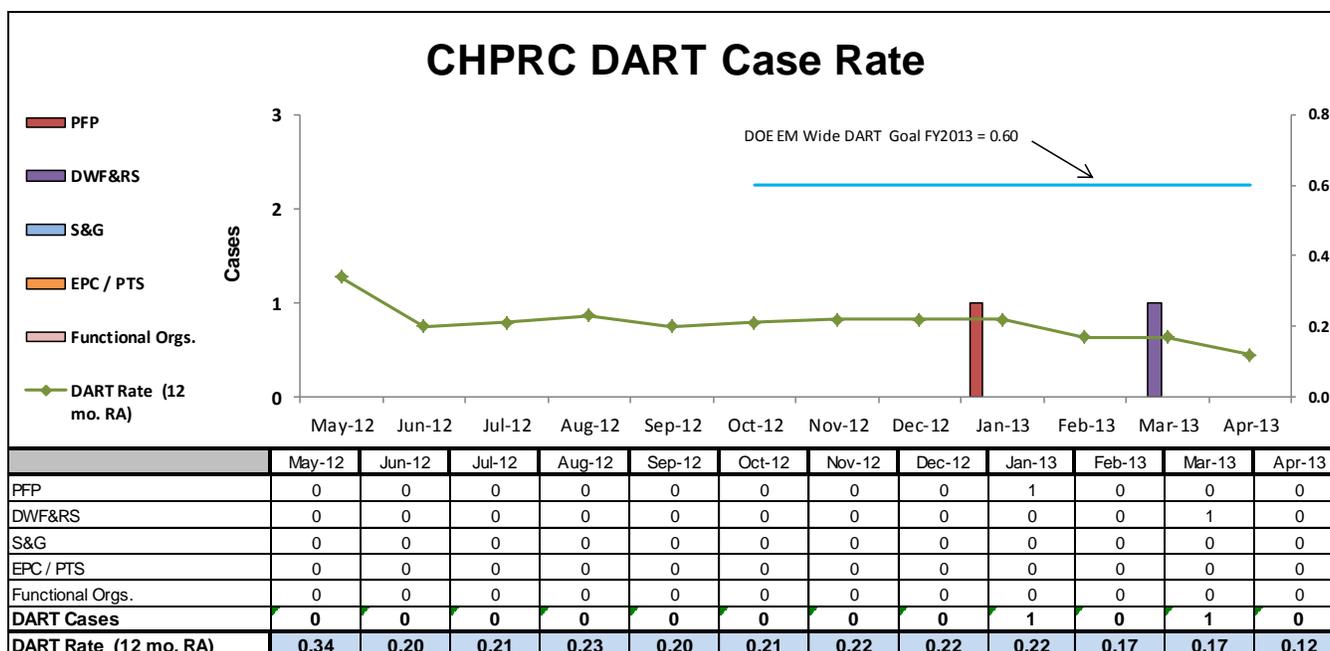


TARGET ZERO PERFORMANCE April 2013

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



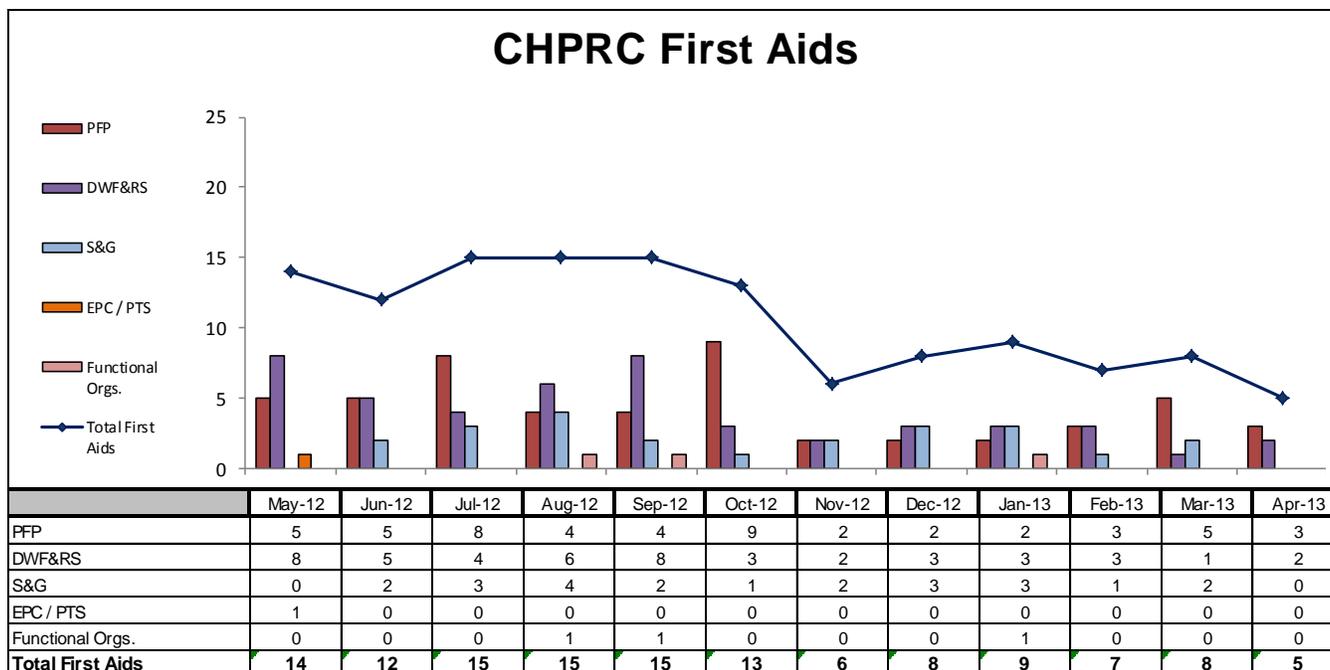
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.66 is based upon 11 recordable injuries (nine Recordable and two Day Away cases). There were no Recordable cases in April 2013. There is one case currently under review. To date hours since last Recordable Case = 283,660.



Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.12 is based upon a total of two Day Away cases. There were no DART cases for April. To date hours since last DART Case = 283,660.

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 five first-aid cases in April 2013. There were five different contributors including an abrasion, a contusion, a chemical exposure, a strain, and one carpal tunnel.

KEY ACCOMPLISHMENTS

Projects

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

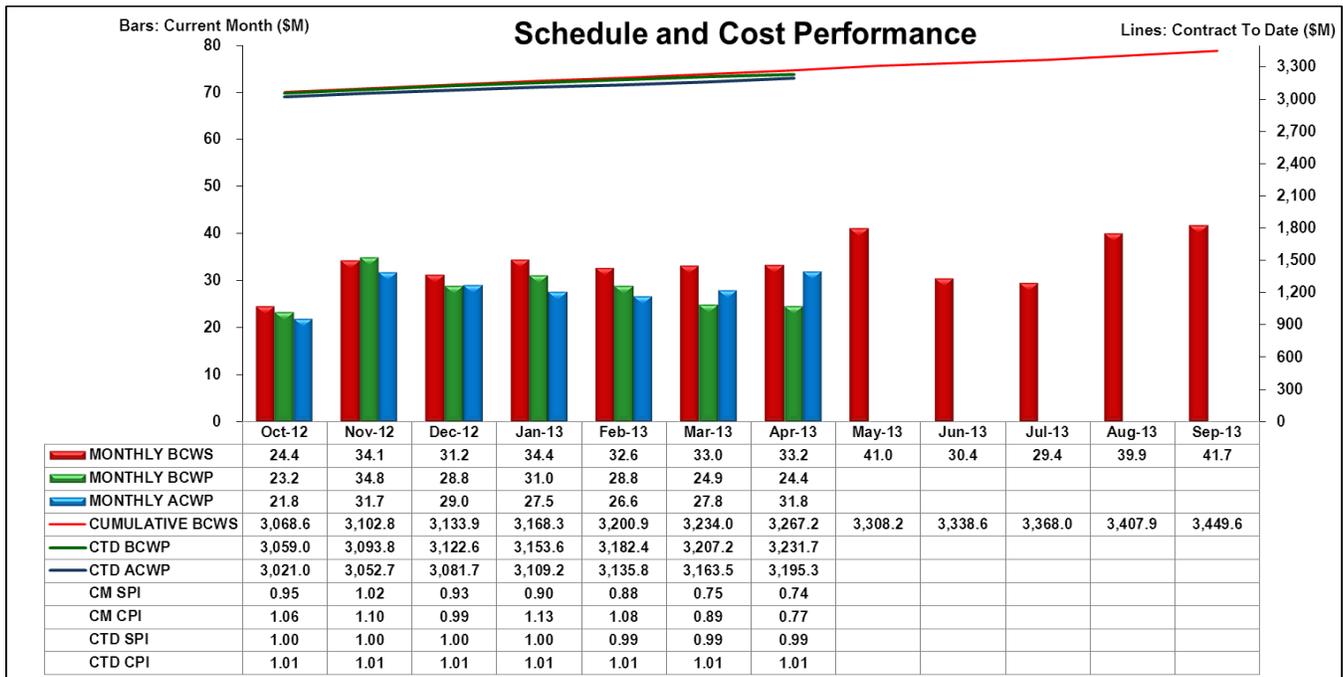
Project Services and Support

- 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	9.8	3.8	8.9	(6.0)	(5.1)		598.0	576.8	599.7	(21.1)	(22.9)	940.3	1,009.7	(69.4)	
RL-0012 - SNF Stabilization & Disposition	5.5	5.1	8.2	(0.4)	(3.2)		370.2	360.1	364.5	(10.1)	(4.4)	606.5	633.8	(27.2)	
RL-0013 - Solid Waste Stab & Disposition	6.9	6.8	6.7	(0.0)	0.2		750.5	750.1	737.5	(0.5)	12.6	1,344.5	1,329.6	14.9	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.8	7.1	6.7	(1.7)	0.4		863.2	860.2	859.0	(3.0)	1.2	1,492.5	1,491.6	0.9	
RL-0040 - Nuc Fac D&D - Remainder	1.0	0.9	0.7	(0.1)	0.2		371.1	370.8	343.0	(0.3)	27.8	488.7	460.9	27.9	
RL-0041 - Nuc Fac D&D - RC Closure Project	1.1	0.5	0.4	(0.5)	0.1		299.2	298.7	278.5	(0.5)	20.2	467.5	449.6	17.9	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.1	(0.0)	0.1		15.0	15.0	13.0	0.0	2.0	26.5	24.5	2.0	
(Numbers are rounded to the nearest \$0.1M)	Total	33.2	24.4	31.8	(8.8)	(7.3)	3,267.2	3,231.7	3,195.3	(35.5)	36.4	5,366.5	5,399.6	(33.1)	

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -\$33.1M with \$85.2M of Management Reserve for a total positive variance of \$52.1M.

Overall, the project was 26.5% behind schedule and 30.0% over cost in April. For FY2013, the project is 12.2% behind schedule and within 0.1% of planned cost. Schedule performance in April was primarily due to:

- RL-0011 – Delayed PRF work efforts impacted by continued PRF canyon crane failure, delayed process vacuum and transfer line removal efforts, which were impacted by a stop work associated with chemical lines and reformed field teams, deferral of 242-Z D&D field work due to Sequestration, time taken for annual training of D&D field work teams, reforming teams due to Sequestration, Field Work Supervisor (FWS) furloughs, and an extended maintenance outage

which restricted D&D activities, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

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

Cost performance in April was primarily attributed to:

- RL-0011 – Unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, emergent work scope for the removal of interference lines in the duct level of 234-5Z, and the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work. Almost half of the unfavorable variance is attributed to a constant cost of D&D support services (NDA, Project Support, and Solid Waste Operations) with limited progress on post-March 2013 discrete D&D activities.
- RL-0012 – Costs were driven by the final accrual for suspension of the Annex Construction contract. This included the work required to lay up the construction site/project for an extended period of inactivity and anticipated change orders to the contract by the construction contractor.
- Realized efficiencies in multiple projects necessary to meet project funding requirements.

FUNDING ANALYSIS

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

PBS	Project	FY 2013		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	117.0	110.7	6.3
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	62.3	61.4	0.8
RL-0013	Waste and Fuels Management Project	82.7	80.6	2.1
RL-0030	Soil, Groundwater and Vadose Zone Remediation	91.8	87.0	4.7
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.0	12.1	0.9
RL-0041	Nuclear Facility D&D, River Corridor	9.8	9.1	0.6
RL-0042	Fast Flux Test Facility Closure	2.4	2.2	0.1
Total Base:		378.9	363.3	15.6

Funds/Variance Analysis:

FY2013 projected funding increased in April due to revised guidance from RL authorizing an additional \$2.6M due to RL receipt of a full-year Continuing Resolution, and \$1.2M for RL-0030 100-B/C well drilling and aquifer tubes. The additional funding authorization increases the FY2013 projected funding from \$375M to \$378.9M.

BASELINE CHANGE REQUESTS

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

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for April 2013		
BCR-040-13-001R0	<i>RL-40 Steam Pipe and Asbestos Stabilization</i>	This baseline change request adds work scope to support the Steam Pipe and Asbestos Stabilization in the 200 West Area.
BCRA-PRC-13-007R0	<i>FY2014 Base Year Shift</i>	Resources in the PMB that start after October 1, 2013 will receive a Base Year Shift at the escalation rate of 2.3%. The Base Year Shift brings the resource pricing forward to the current Base Year (FY2014).
BCR-030-13-010R0	<i>Acceleration of 200-UP-1 RD/RA WP Rev 0 into FY2013</i>	This BCR accelerates the 200-UP-1 Remedial Design/Remedial Action Work Plan (RD/RA WP) Rev. 0 into FY 2013 from FY2015 to maintain compliance with Section "C" of the Plateau Remediation Contract and allow the work to continue per the TPA process. This BCR required RL approval to accelerate work from FY2015 into FY 2013.

Overall, the contract period Performance Measurement Baseline budget decreased \$2.1K in April 2013.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-030-13-010R0	<i>Acceleration of 200-UP-1 RD/RA WP Rev 0 into FY2013</i>	2013/2015	\$2.1K Add
\$2.1K of Management Reserve net change in April 2013.			

Fee Activity

No change in contract period Fee budget for April 2013.

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

April 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
March 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	405,386	3,449,622	1,916,897	5,366,519	5,366,519
MR	0	0	0	0	2,831	2,831	82,388	85,219	85,219
Fee	39,712	48,772	32,322	17,023	13,112	150,941	76,751	227,692	227,692
Total	693,138	1,008,790	1,034,427	445,711	421,329	3,603,394	2,076,036	5,679,430	5,679,430
April 2013 Change									
PMB									
Change to PMB	0	0	0	0	48	48	-51	-2	-2
MR									
Change to MR	0	0	0	0	-48	-48	51	2	2
Fee									
Change to Fee	0	0	0	0	0	0	0	0	0
Total Change	0	0	0	0	0	0	0	0	0
April 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	405,434	3,449,671	1,916,847	5,366,517	5,366,517
MR	0	0	0	0	2,783	2,783	82,439	85,221	85,221
Fee	39,712	48,772	32,322	17,023	13,112	150,941	76,751	227,692	227,692
Total	693,138	1,008,790	1,034,427	445,711	421,329	3,603,394	2,076,036	5,679,430	5,679,430

Changes to/Utilization of Management Reserve in April 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
March 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	147	147	14,682	14,829
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	2,831	2,831	82,388	85,219
April 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	-48	-48	51	2
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	-48	-48	51	2
April 2013 MR Totals								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,053	1,053	14,498	15,551
RL-0013	0	0	0	0	1	1	10,238	10,239
RL-0030	0	0	0	0	99	99	14,733	14,831
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	2,783	2,783	82,438	85,221

SELF-PERFORMED WORK

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

Contracts-to-Date Actual Awards & Mods				Projection to FY2018	
Contracts + POs + Pcard -10/1/2008 -4/30/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,058,666,009
				Bal remaining to award =	\$465,817,186
	\$	%	Goal	Goal award \$	Bal to goal \$
SB	\$1,003,777,694	48.76%	49.30%	\$1,244,570,215	\$240,792,521
SDB	\$178,687,100	8.68%	8.20%	\$207,007,622	\$28,320,522
SWOB	\$198,014,204	9.62%	7.50%	\$189,336,240	(\$8,677,964)
HUB	\$46,062,670	2.24%	2.20%	\$55,538,630	\$9,475,960
VOSB	\$114,169,400	5.55%	3.50%	\$88,356,912	(\$25,812,488)
SDVO	\$54,664,532	2.66%	1.30%	\$32,818,282	(\$21,846,250)
NAB	\$30,003,095	1.46%	N/A	* 10-year subcontracting projection	
Large	\$561,537,965	27.28%	N/A		
GOVT	\$2,073,320	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$487,749,591	23.69%	N/A	≥17% of Total Contract Price performed by SB	
EDUC	\$88,944	0.00%	N/A	Total Contract Price:	\$5,679,329,866
NONPROFIT	\$3,199,323	0.16%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$235,796	0.01%	N/A	SB Awarded:	\$1,003,777,694
Total	\$2,058,666,009	100.00%	N/A	Balance to Requirement:	(\$38,291,617)

Notes:

1. Since the CHPRC contract award in October of 2008, CHPRC has subcontracted \$2.06B in goods and services with over 48.8% going to small businesses. All subcontracting sub-goals have been exceeded. CHPRC was on track to meet the 49.3% overall goal prior to Sequestration impacts.
2. Approximately 93% of the total dollars arise from service and staffing Contracts and Contract amendments with five percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
3. This report excludes blanket contract values which are only estimates and not used for payment obligations.
4. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



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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	-	180 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	62 ft	17,407 feet
Process Vacuum Piping Dispositioned	-	2,497 feet
Process Transfer Line Dispositioned	-	945 feet
Pencil Tank Units Removed	-	110 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	1 m ³	38 m ³
TRU/TRU-M Shipped	3 m ³	1,176 m ³
LLW/MLLW Shipped	65 m ³	4,069 m ³

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was below plan for the month. All D&D field work teams attended HAMMER training for one full week to complete most of the required annual training in a single block. This is expected to minimize disruption and schedule impacts throughout the year, as individual team members would have been scheduled for multiple training courses on various dates.
- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping and ductwork. The total gloveboxes removed to date remains at 77.6 percent complete. Efforts continued to prepare for installing gantry cranes in Rooms 235A-2 and 228B to support removal of gloveboxes from those rooms.
- Due to interferences, work associated with disposition of process lines was minimal. Water lines were drained, which will allow removal of 26" process vacuum and process transfer lines to proceed. The project removed 62 feet of asbestos.
- Draining of the next chemical feed line commenced; while an alternate vacuum application methodology was mocked up and tested to improve field performance.
- Activities to repair the canyon crane continued. The new stub shaft for the canyon crane hoist motor was fabricated. The replacement parts for the canyon crane hoist motor were assembled. A canyon entry to repair the crane was completed on Friday, April 19. The new stub shaft, rotor, belt and sprockets were installed.
- The engineering evaluation of the Newport News Shipbuilding report was completed and the results incorporated into the field execution schedule.
- Equipment removal continued in the 1st east gallery glovebox. All of the equipment has been removed from the glovebox wall.
- CHPRC and RL partnered on a study to advance a strategic path forward to achieve the PFP Slab on Grade milestone by 2016. Three major breakthrough initiatives and several standalone action items were identified.

EMS Objectives and Target Status

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

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	3	52	<ul style="list-style-type: none"> • 4/03/2013 – Employee experienced abrasion to left eye (23038) • 4/22/2013 – Employee carpal tunnel syndrome is worsening in both hands (23046) • 4/15/2013 – Employee experienced strain in right shoulder (23048)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Final approval of the 2012 annual update of the HNF-11724 CHPRC Safety Management Programs, which are part of the PFP Safety Basis, was received from RL on April 16. A PFP specific implementation plan has been drafted and is in the signature approval process.
- 291-Z Exhaust Fan (EF) Maintenance
 - Completed EF-5 fan bearing replacement
- 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)

- Completed team realignment after Sequestration Involuntary Reduction of Force (IROFs).
- A large, two chamber containment tent was installed in Room 232 to facilitate future D&D work in Room 235A-3.
- In Room 235A-2, the removal of a dry air line that interfered with a gantry crane installation was completed. In addition, the removal of anchor bolt and conduit protrusions under HA-14CC was completed.

Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
 - Removed approximately 25 feet of 26-inch vacuum piping associated with Glovebox HC-6.
 - Drained the sump-waste process transfer piping running between Gloveboxes HC-4 and HC-6 in preparation for removal of that line.
 - Completed the Engineering Change Request and initiated the planning effort for removal of the Room 166 Hood set.
 - Removed the conveyor glovebox section from Room 170 to make room for a Standard Waste Box (SWB) loading area. This capability will be used for loading pipe sections from Room 166 glovebox mechanical isolation work.
 - Permanently posted Room 166 as an Airborne Radioactivity Area (ARA).

Disposition PFP (234-5Z) Facility

- A total of 2,509 feet of 26 inch Process Vacuum lines has been cut. Of this, 2,497 feet has been size reduced and dispositioned.
- Dispositioned a total of 945 feet of transfer lines. In addition to removal of non-asbestos insulation supporting contaminated line removal, 62 feet of asbestos was removed and dispositioned. A total of 17,407 feet of asbestos has been removed to date.

Chemical Mitigation

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

Plutonium Reclamation Facility (PRF)

- Fabrication of the new stub shaft for the canyon crane hoist motor was completed.
- A canyon entry was completed to install the replacement parts on the canyon crane hoist motor.
- The engineering review of the Newport News Shipbuilding report was completed and the report distributed to management.
- The engineering evaluation of the recommendations in the Newport News Shipbuilding report was completed and incorporated into the field execution schedule.
- Equipment removal continued in the 1st east gallery glovebox. All of the equipment has been removed from the glovebox wall.

MAJOR ISSUES

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

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

Issue – During Nondestructive Assay (NDA) of the Tank 126 segments on February 20, the crane hoist raising and lowering function failed. Smoke was seen coming from the hoist cover plate. The other crane functions continued to operate normally. It appears that the recently installed sprocket may have worked off of the drive shaft and is rubbing against the cover plate causing it to heat up and the paint to smoke.

Corrective Action – Activities to repair the canyon crane continued. The new stub shaft for the canyon crane hoist motor was fabricated. The spline coupling shaft and bearing assemblies were fitted to the sprockets and keys in the shop. The parts were then transferred to the maintenance table on the 2nd floor and fitted on to the motor rotor shaft splines in preparation for installation. A canyon entry to repair the crane was completed on Friday, April 19. The new stub shaft, rotor, belt and sprockets were installed. A canyon entry is planned to complete the installation of the hoist drive belt, adjust the belt tension and perform some checks on the trolley bearing. The beam clamps will then be removed, the gate opened and the festoon cable reconfigured for movement of the crane from the maintenance platform. Functional testing of the crane will then be conducted.

RISK MANAGEMENT STATUS

Unassigned Risk
 Risk Passed
 New Risk
 Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-003: More Extensive Cleanout/Decon Required	Develop and implement a detailed process facility characterization plan into the field execution schedule. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. 243-ZA characterization is complete pending final reports. Work is continuing in A-Labs and work packages are being accelerated to perform work in 234-5Z duct level. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
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.			Efforts to fabricate and install damaged shaft were completed April 19. Once the damaged shaft is repaired, the monthly PM will be conducted and the crane will return to service to continue Pencil tank size reduction activities.
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 April to work on scope to further mitigate potential impacts in the future. JCO was also submitted to DOE, and discussions are still pending. Communications are under way to identify risk acceptance on fan repairs and near term filter replacements (i.e. 309 filters)
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 integrated into the field schedule, and additional meetings will be held to address lines that have little hold up.
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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
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 November 29, 2012, 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 to extend respiratory protection time and expected to have an answer by no later than July. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning is under way, with a special project team, to implement actions to accomplish the new vision for the D&D path forward.
PRC-061 – FY2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↔	Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts have been implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.8	3.8	8.9	(6.0)	-60.9%	(5.1)	-133.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$6.0M/-60.9%)

The unfavorable schedule variance is attributed to delayed PRF work efforts due to continued PRF canyon crane failure, delayed process line removal efforts, which were impacted by a management stop work associated with chemical lines and realignment of D&D field work teams, 242-Z D&D field work deferred due to Sequestration, D&D field work teams attending HAMMER training for one full week to complete most of the required annual training in a single block, reforming teams due to Sequestration, Field Work Supervisor (FWS) furloughs, and an extended maintenance outage, which restricted D&D activities. In general, the fallout from ongoing HAMTC negotiations continues to impact completion of work scope, due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

CM Cost Variance: (-\$5.1M/-133.1%)

The unfavorable cost variance is primarily the result of unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, emergent work scope for the removal of interference lines in the duct level of 234-5Z, and the inability of D&D field work teams to work as planned (discussed

above), combined with a limited ability to reassign resources to other work. Almost half of the unfavorable variance is attributed to the constant cost of D&D support services (NDA, Project Support, and Solid Waste Operations) with limited progress on post-March 2013 discrete D&D activities. A pass-back cost this period from the FYTD under-liquidated pools also contributes to the unfavorable cost variance. The majority of the liquidations were due to increases in the pool costs and reductions in the bases for liquidation.

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	598.0	576.8	599.7	(21.1)	-3.5%	(22.9)	-4.0%	940.3	1,009.7	(69.4)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$21.1M/-3.5%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$22.9M/-4.0%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$69.4M/-7.4%)

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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018, the PRC contract period. The EAC changes from March to April 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	110.7	6.3

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path 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

BCRA-PRC-13-007R0 – *FY2014 Base Year Shift*

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)

April 2013
CHPRC-2013-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- Comment resolution and design review incorporation on the Preliminary Documented Safety Analysis (PDSA) continued throughout the month.
- The Engineered Container Retrieval and Transport System (ECRTS) Design Team has been working to incorporate the Review Comment Record (RCR) comments that were submitted against the design product for the Critical Decision (CD)-2/3 Report. The current plan is to complete comment incorporation and approve the final design package in late May. This technical information, coupled with the updated project cost, schedule, and risk information are the critical inputs into the ECRTS CD-2/3 Package. A CHPRC Project Review Board (PRB) is scheduled to be initiated following completion of the supporting inputs.
- The review of the draft Project Definition Rating Index (PDRI) self-assessment was initiated late this reporting period. Scope/Technical Sections C1-C17 were reviewed for defensible documentation of the self-assessment. Identification of additional references and validation of the assigned scoring were completed. Additional review sessions are scheduled in early May to allow completion of the self-assessment by the May 9, 2013 commitment. Once completed, the self-assessment will be included in the CD-2/3 submittal report as an appendix.
- Maintenance and Storage Facility (MASF) electrical staff completed wiring integration of Panel ECRT-PNL-201 and began performing control system loop checks in support of the Integrated Process Optimization Demonstration (IPOD). The Sludge Transport and Storage Container (STSC) was removed from the transport cask to make preparations for adding internal support to the STSC decant arm floats. The IPOD specification (PRC-STP-TS-00788) was reviewed by the Joint Test Group and requires resubmittal after comment incorporation. Installation of equipment to lower and maintain the test pool conductivity levels at slated IPOD parameters began this week. The IPOD is scheduled to commence in May.
- Due to sequestration, Annex construction has been suspended. All major work to ensure the site is safe and stable until construction resumes was completed this month. Controlled density fill was placed at the electrical service rack and electrical trench, and barricades were completed for personnel safety. Construction Contractor tools, equipment, and personnel have been demobilized and walk downs with Operations and project stakeholders have been completed.
- Construction completion status, at the time of work suspension, is being documented in a detailed lay-up report. Document turnover, change order resolution, and vendor closeouts continue.
- The project team continues to develop strategy, documents, estimates, and schedule for the restart of construction in FY2014. In addition, a constructability review of the remaining Annex design is being initiated to support future construction execution efficiency improvements.
- All four of the remaining Office of Civilian Radioactive Waste Management (OCRWM) data packages have been received back from the Canister Storage Building (CSB) with comments. Resolution of these comments continues.
- Completion of the Knock-Out Pot (KOP) closeout report continues to be delayed due to resources committed to the ECRTS process equipment delta design review.
- Following the downgrading of the Cold Vacuum Drying Facility (CVDF) to a Less Than Hazard Category 3 Facility, several facility support systems were placed into a deactivated status as follows: The Uninterruptable Power Supply, Tempered Water Cooling System, General Service Helium System, Safety Class Helium System, Stand-By Power System, Tempered Water System, Vacuum Purge System, and the Deionized Water System.

- The hazards analysis, accident analysis, and streamlining of the Facility Safety Analysis Report (FSAR) are being prepared along with the Technical Safety Requirements (TSR) revision to be submitted as part of the next annual update. The update will remove historic operations that are no longer needed and prepare a document format and content that will merge with the ECRTS at the submittal of the Design Safety Analysis (DSA)/TSR. Revision of the Fire Hazards Analysis (FHA) is being prepared in support of FSAR streamline submittal.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB1-T1	Reduce the generation and/or waste at the source.	Identify a new mission for the Cold Vacuum Drying Facility (CVDF).	9/30/13	89%
13-EMS-DWF&RS-OB3-T1	Reduce energy consumption and air emission impacts associated with use of fossil fuel generators.	Develop a plan to optimize the use of fossil fuel portable generators and light plants under CHPRC management control at 100K area.	7/30/13	70%

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	4	N/A
First Aid Cases	1	15	4/5/13 - Employee was making labels using a laser engraver when worker experienced problems from inhalation of fumes. Body part affected: Lungs (23043)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- The Independent Verification Review (IVR) was completed early this reporting period allowing the CVDF to be downgraded from a Hazard Category 2 Facility to a Less than Hazard Category 3 facility.
- K West Basin personnel obtained sludge depth and dose data from all seven locations in the South Load Out Pit channel, the last of five pits to be measured. Sludge depth and dose measurements of all K West Basin pits are now complete. Thirty-five locations (seven locations in each of five pits) were measured.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-012/WBS 012				
STP-007 Competing Priorities	Develop detailed working schedules and institute interface meetings to communicate priorities and progress. Overtime used to mitigate impacts of schedule delay.			Closeout calibrations have been completed and DSA has been downgraded. CVDF Stack down-grade transmitted to Department of Health for review and anticipates stack downgrade in December 2013.
STP-ANX-008: Annex Design and Requirements Changes	Maintain rigorous control of design specifications. Streamline approach for addressing contractor submittals and RFI's to acknowledge and minimize design changes. Communicate regularly with stakeholders (DOE, contractors, and CHPRC organizations) regarding impacts and potential changes.			While the number of design changes is above what was anticipated, design changes are being worked efficiently.
STP-ANX-001: Annex Subcontract Change Orders/Claims	Prepare accurate Functional Requirements and SOW. Monitor Subcontractor activities and identify problem areas. Develop an efficient approach for handling contractor submittals and RCI's.			Due to sequestration, the construction on the annex has been halted. The construction area is being placed in a controlled state.
STP-067: Safety Significant Components	Integrate nuclear safety representation on design team to minimize potential for changes in component classifications (Safety Significant to Safety Class and General Service to Safety Significant). Expedite submittal and approval of PDSA.			PDSA progressing and scheduled submittal in July 2013.
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.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Cost performance index is below the target of 1.04.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	5.5	5.1	8.2	(0.4)	-7.7%	(3.2)	-62.6%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.4M/-7.7%)

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

CM Cost Performance (-\$3.2M/-62.6%)

The current month negative variance was primarily driven by the suspension of Annex construction, the costs to lay up the construction site, and an accrual for outstanding change orders and final costs for the construction contractor.

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	370.2	360.1	364.5	(10.1)	-2.7%	(4.4)	-1.2%	606.5	633.8	(27.2)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$10.1M/-2.7%)

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 (-\$4.4M/-1.2%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	62.3	61.4	0.8

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-007R0 – FY2014 Base Year Shift

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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April 2013
CHPRC-2013-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The W&FMP continued maintaining facilities in a safe and compliant condition. Overall the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. No processing progress was made toward the Key Performance Goal of 7M gallons due to planned maintenance outage (2.96M gallons processed through Effluent Treatment Facility (ETF) fiscal year to date). Liquid Effluent Facilities (LEF) received 25 tankers (calendar year [CY] 100k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 147k gallons of ERDF leachate (CY 0.72M gallons). CSB continued Knock-Out Pot (KOP) Multi-Canister Overpack (MCO) monitoring program. Projects completed routine surveillances.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	1	17	<ul style="list-style-type: none"> 4/3/13 - Employee missed a step and fell to the ground. Body part affected: Knee (23040)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued discussions with RL of multiple Potential Notification of Changes
- Continued coordination and development of Sequestration impacts (including furloughs)

13.02 Capsule Storage & Disposition

- Completed field installation of four new Radiation Indicator Transmitters (RITs) in K-3 Filter Pit (RIT-2W failed function test)
- Completed calibration of the external pool cell level indicator
- Installed ventilator on Air Compressor building (225BC); requires electrical tie-in
- Continued development of Statement of Work (SOW) for roof repairs (90 percent complete)
- Completed Pool Cell pump annual Preventive maintenance (PM)
- Obtained radiological samples from the Hot Manipulator Shop to support facility radiological characterization
- Completed change out of filters (bag and roll) on three supply fans (K1-6-1, K2-6-1, and K3-6-1)
- Completed annual PM on the Raw Water Strainers in 294B

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program
- Completed one-year MCO gas sampling for last Found Fuel/Scrap MCO
- Completed annual Gaseous Effluent Monitoring System (GEMS-100) radiation detector calibration
- Completed annual Nuclear Assurance Corporation (NAC)-1 cask inspection
- Completed 6-month MCO Handling Machine (MHM) High Efficiency Particulate Air (HEPA) filter test (HF-1)
- Completed cooling coil cleaning and oil-bypass line installation on air compressor CX-1A (one of two)

13.07 WRAP

- Washington Closure Hanford, LLC (WCH) has requested assistance with calibration of their field ISOCS assay equipment. It is proposed that the work will be performed at WRAP (likely in the compound immediately to the south of 2336W). A list of radioactive sources available for use in the tests has been furnished to WCH.
- Performed radiological characterization calculations for the waste packages that were generated from the final cleanup of the 2404WB building. The characterization information was provided to the Waste Management Representative (WMR) for input into Solid Waste Information and Tracking System (SWITS). All of the 2404WB waste packages (except for the 5x5x9 box) are being readied for shipment to Perma-Fix North West (PFNW) for treatment.
- Completed seven TSR surveillances
- Completed seven PM packages
- Completed 83 Rad surveillances
- Completed 34 Operational surveillances

13.08 T Plant

- Sample results of the suspect asbestos material discovered during the fire damper inspection of the Aqueous Makeup Unit (AMU) resulted in non-asbestos material. The area was released and material disposed of properly; maintenance has been scheduled to complete the fire damper inspection.
- Completed the final stage of venting proficiency demonstrations of 85-gallon overpack drums. A Senior Supervisor Observer (SSO) was present during the entire proficiency demonstration.
- Maintenance worked/completed the six month 291-T Stack Exhaust Fan 3 & 4 inspections and Exhaust Fan 3 annual motor bearing purge. During the six month inspection, the megger test results for stack exhaust fan 4 were out of tolerance. Fan 4 was tagged out of service and notifications to management, Environmental Compliance Officer (ECO) and Washington State Department of Health (WDOH) were made. A troubleshooting work package was developed and determined exhaust fan 4 to be operable, no repairs were necessary. Fan 4 was returned to service on April 4, 2013 and corrections are being made to the six month inspection work instructions, for the megger test, to prevent reoccurrence.
- Relocated a high dose drum containing Tank 11 samples from 214T to HS-032 Bin#2
- Supported maintenance on Technical Safety Requirement (TSR) Annual ACT-1 & ACT-2 HEPA and dP Efficiency Verification:
 - o 4/15 – The ACT-1 pre-filters were removed in support of HEPA filter test by Vent & Balance
 - o 4/17 – Vent and Balance completed the HEPA filter testing for both ACT-1 & ACT-2
 - o 4/17 – KURZ system was set-up in support of Vent & Balance testing, issue discovered and KURZ placed Out-of-Service until repairs are made (did not affect the test).
 - o 04/23 – Pre-filters are scheduled to be reinstalled
- Operations completed the post-job review on Monday April 8, 2013 for venting proficiencies. A Work Site Assessment will be completed to document the entire venting proficiencies process.

- Completed 10 TSR surveillances
- Completed 26 PM packages
- Completed 270 Rad surveillances
- Completed 174 Operational surveillances

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

- Completed all scheduled operational, radiological control and safety surveillances
- Combined three Satellite Accumulation Area (SAA) drums into two SAA drums at Burial Ground 3A and prepared for shipment date of April 25, 2013.
- Supported ongoing vegetation spraying and tumbleweed removal effort at Burial Ground 12B
- Hanford Fire Maintenance testing of dry riser #1 on 2402WG, WH, WJ and WI was completed
- Vegetation spray crews worked in 12B from trench 18 to trench 28
- Restocked green emergency trailer for Operational use
- Conducted soil sampling in Trench 94 in preparation for upcoming construction activities
- Shipments
 - o Received 18 drums of Transuranic mixed (TRU/M) waste from PFP and placed into CWC storage
 - o Shipped drum of non-regulated/non-radioactive soil from a hydraulic oil spill cleanup to Basin Disposal Inc. (BDI) for disposal.
 - o Shipped PFP packaged TRU/M glovebox from CWC to PFNW where it will undergo size reduction and repackaging into Waste Isolation Pilot Plant (WIPP) certifiable containers.
 - o Received shipment of three Mixed low-level waste (M/LLW) packages from PFNW and disposed into the MW Disposal Trench #31
 - o Shipped one shipment of thirteen packages of recyclables from T Plant to Centralized Consolidation/Recycling Center (CCRC).
 - o Shipped one package of recyclables from WRAP to CCRC

13.11 Liquid Effluent Facilities (LEF)

- Due to planned facility maintenance outage, no water was processed through Effluent Treatment Facility (ETF) toward Key Performance Goal of 7M gallons (2.96M gallons FYTD)
- Received (calendar year [CY]) 25 tankers; 100k gallons
- Treated effluent to State-Approved Land Disposal Site: 0 gallons (1.46M CY)
- Discharged 1.76M gallons (6.10M CY) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (147k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (0.72M CY).
- Continued operating the 310 Retention Transfer System (RTS): CY 67k gallons
- **Operations Activities**
 - o Waste Sampling and Characterization Facility (WSCF) laboratories completed stabilization bench scale testing on Basin 43 powder with unsatisfactory results. Additional bench scale testing is being setup.
 - o Performed plant cleanout upon completion of processing Basin 43 waste water in preparation for Basin 42 waste water processing.
 - o Recirculating Basin 42 waste water through Surge and Influent filters in preparation of processing.
 - o Added 12 customer waste water drums into both of the concentrate tanks for processing through the Thin Film Dryer (TFD).
 - o Continued receiving Mixed Waste Trench leachate tankers
 - o Continued receiving perched water tankers from BP-5
 - o Continued receiving WSCF customer waste water drums.
 - o Processed 16 Basin 43 Powder drums and staged in the drum handling room

- **Maintenance Activities**
 - o Completed replacement of the 20-inch evaporator expansion boot
 - o Completed the installation of the rebuilt TFD rotor into the vessel
 - o Rebuilt the seal water pump 95B-P-1
 - o Replaced failed ballast #10 on Ultraviolet/Oxidation (UV/OX) 2B unit
 - o Repaired failed Exhaust Ventilation Unit (EVU)-5 and 8
 - o Completed annual maintenance on chemical addition pumps (65C-P-8, 9 and 10)
 - o Completed annual DOT Running Gear inspection on two Beale Tankers (HO-65-3886, HO64-3885), Polar (HO-64-3859), and Superior Tanker (HO-64-4268)
 - o Completed two Evaporator Boiler Internal Inspections (60I-B-1)
 - o Completed (11 of 14) Four-Year Fire Damper Inspections
 - o Completed semi-annual air dryer (1D-D-1) PM
 - o Completed replacement of the Vessel Off Gas (VOG) Carbon Absorbers
- **Liquid Effluent Retention Facility (LERF) Basin activities**
 - o **Basin 44**
 - Continued with surveys/posting verification activities
 - Completed weekly and monthly inspections with no cover breaches identified
 - Installed bird deterrents (audible predatory bird calls, tinsel, balloons, etc.)
 - Supported MSA for addition of larvacide and algaecide
 - Transferred 160,000 gallons of water from Basin 44 cover into the Basin with no indication of water returning to pumped areas
 - Performed water spray down of north and west sides of LERF Basin with water dog and water tanker.
 - Received an extension from the regulators (Washington Department of Health-WDOH) to the As Low As Reasonably Achievable Current Technology (ALARACT) for clean up at the LERF Basins. The extension is valid until October 31, 2013.
 - Packaged, transported and off loaded the Komatsu 600 track hoe from K Basins to LERF Basins.
 - o **Basin 43**
 - Obtained samples of water from Basin 43 cover and received sample results from the labs. One of the results was slightly above drinking water standards (58 pCu/L vs. limit of 50 pCu/L for gross beta) which will require pumping contents into LERF Basin 43.
 - Initiated hydrostatic testing of filter system for water removal from Basin 43
 - Initiated work package for floating pump assembly for water removal from Basin 43
 - o **Basin 42**
 - Transitioned equipment from LERF Basin 44 to LERF Basin 42 for cover clean up

13.12 Integrated Disposal Facility

- Completed required monthly, quarterly and annual calibrations and inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed one TSR surveillance
- Completed 20 Radiological and four Operational surveillances
- Completed four Operational surveillances

MAJOR ISSUES

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

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

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

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-007: ERDF WAC Revised	Provide budget for waste treatment and disposal to ERDF. Package and deliver waste in accordance with ERDF waste profiles. Waste profiles are assumed to be compliant with ERDF WAC.			ERDF WAC is in final approval stages. Preliminary analysis does not represent a change. More detailed review will follow upon final revision and evaluate additional contractual or risk issues.
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.			CHPRC continues to negotiate with the Washington State Department of Ecology regarding the waste that is currently stored at the Hanford Site. However, negotiations may result in an Agreed Order that directs changes to how waste is managed at the Hanford Site.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY2013 or beyond.
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> • Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area. • Thin-Film Dryer rotor replacement scheduled during next ETF outage and replacement of heat exchanger. • Continuing to experience greater than planned maintenance at ETF and LERF. • 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"> • WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011 is nearing completion. • Washington Department of Ecology performed inspection of CWC on September 17. In discussions regarding preliminary feedback. • OIG is leading an audit of WESF scheduled to begin in April

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.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.9	6.9	6.7	(0.1)	-0.7%	0.2	2.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.1M/-0.7%)

The current period schedule variance is within threshold.

CM Cost Performance (+\$0.2M/+2.4%)

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

Contract-to-Date (CTD)

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	750.5	750.1	737.5	(0.5)	-0.1%	12.6	1.7%	1,344.5	1,329.6	49.9

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.5M/-0.1%)

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$12.6M/+1.7%)

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 March to April are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	82.7	80.6	2.1

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

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

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-007R0 – FY2014 Base Year Shift

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
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Environmental Program
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April 2013
CHPRC-2013-04, 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 April includes the following:

- 23.1M gallons groundwater treated by KX treatment facility
- 11.7M gallons groundwater treated by KW treatment facility
- 12.6M gallons groundwater treated by KR-4 treatment facility
- 27.9M gallons groundwater treated by HX treatment facility
- 23.7M gallons groundwater treated by DX treatment facility
- 71M gallon groundwater treated by 200W treatment facility
- 170M gallons of groundwater treated total

Sampling	April	FY2013 Cumulative
Well Sampling Events	249	1337
Aquifer Tube Sampling Events	9	385
Total Number of Sampling Events	258	1722
Samples Collected	786	6106
Analyses Performed	1265	13485

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB2-T1	Reduce air emissions at the 200 West Pump and Treat Facility	Establish a baseline for air emissions at the 200 West Pump and Treat Facility.	10/30/13	On schedule
		A tabulation of emissions, in mass (pounds, kilograms, milligrams, etc.) per year, for constituents of concern (i.e. all constituents analyzed for during quarterly sampling events). Progress will be reported at 25% increments.	Quarterly	Progress at 50%
13-EMS-SGWR-OB3-T1	Reduce the amount of toxic and/or hazardous materials in the environment.	Pump and treat 1.4 billion gallons of contaminated groundwater from all pump and treat facilities during FY2013	9/30/13	On schedule
		The volume of contaminated groundwater that is treated as measured in gallons	Monthly	1,065M Gallons treated through 4/30/13

Objective #	Objective	Target	Due Date	Status
13-EMS-SGWR-OB4-T1	Improve worker awareness of the CHPRC Environmental Management System (EMS)	Provide CHPRC EMS worker awareness training to S&GRP staff, to include: CHPRC Environmental Policy, each person's role in the EMS, S&GRP contributions to the EMS, and identification of key CHPRC programmatic and project environmental points-of-contact.	9/30/13	On schedule
		Presentation material and training/class attendance sheets, submitted to EP Director at end of each quarter. Progress reported at 25% increments.	Quarterly	Progress at 50%
13-EMS-SGWR-OB5-T1	Reduce the generation and/or toxicity of waste at the source	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under SGWR management control.	9/30/13	On schedule
		This target will be met upon completion of the proposed actions. Progress will be tracked based on 50% for each completed action.	Monthly	Ongoing Progress at 58%
13-EMS-SGWR-OB6-T1	Maximize the acquisition and use of environmentally preferable products.	Evaluate S&GRP chemical inventory and identify candidates for substitution (toxicity reduction) and choose one chemical for evaluation, based on chemical user input.	3/15/13	100% Complete
		Purchase minimum amount of chemical needed for evaluation and ask users to assess product's viability as an adequate substitute.	9/30/13	On schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	24	N/A
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.O1 RL 30 Operations

RL 30 Integration & Assessments

Strategic Integration

- The Hanford Senior Executive Committee (SEC) met on Tuesday April 30, 2013 in Seattle. This was the first SEC meeting for Kevin Smith, Manager of DOE-ORP and for Maia Bellon, the recently appointed Director of Ecology. The primary topics were (1) the President's 2014 budget request and how it will affect DOE's ability to meet milestones and commitments; (2) DOE-ORP's path forward for addressing recently reported tank leaks and Waste Treatment Plant Technical Issues; and (3) efficiencies being implemented by RL and EPA to reduce or avoid costs.
- In coordination with WCH, developed a strategy and recommendations for transition (interim to final standards) of River Corridor remediation activities. The strategy will be presented to RL.
- Developed and presented to RL a "Strategy for Demonstration of Attainment of Groundwater Cleanup Levels". Revising the draft technical memorandum based on comments from RL.
- TPA change packages from the Tentative Agreement for the renegotiation of milestones were signed by the Tri-Parties on April 25, 2013. These included milestone packages for the M-015, M-085, and M-093 milestone series that are affected by reprioritization of activities for the next several fiscal years. Also included are milestones for installing and sampling a groundwater monitoring system at 100-B/C prior to completion of the 100-B/C RI/FS and milestones regarding ISS of the 100-K reactors, and milestones for the canyon facilities on the Central Plateau.

Technical Integration

- TC&WM EIS Model Transition – CHPRC provided RL with a briefing and written summary (April 23, 2013) on initial evaluation of the completeness of the Final TC&WM EIS Model Technology Transfer document. The document was received on April 22, 2013. CHPRC's transition team is working with RL and ORP to close significant gaps in the electronic appendix in terms of software, model inputs, and basis information that impede our ability to meet contractual requirements for maintenance and use of this modeling capability.

Project Management

Contract Deliverable C.2.4.1.1-3 “Prioritized list of Recommended Service Water Line Upgrades or Storm Water Run-off Control Projects” was completed on March 26, 2013.

River Corridor

300-FF-5 Operable Unit

- Submitted the Draft A RI/FS Addendum to EPA on April 24, 2013 for review.

Central Plateau

200-UP-1 Operable Unit

- The Draft A RD/RA Work Plan and associated draft TPA change package was transmitted to EPA on April 2, 2013 for review. The regulator comment period extends to May 16, 2013.

200 West Pump-and-Treat

- During the month of April 2013, the pumping rates at the 200 West P&T ranged from 1,579 gpm and 1,888 gpm.
- During this past month, the two ion exchange resin trains were run between 482 gpm and 590 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 301 kg of carbon tetrachloride and 25,564 kg of nitrate as N (or 11,315 kg nitrate as NO₃) were recovered during the month of April 2013.
- Continuing to perform OTP work, routine maintenance, and minor modifications.
- The below table identifies the concentration of the contaminants of concern in the effluent water following treatment for the month of April, except for nitrate where the reported concentration is an average for FY2013. *Note that nitrate concentrations in the effluent have been allowed to increase over the past few months to assist in stabilizing the bacteria population in the Fluidized Bed Reactors (FBR). While this increase in nitrates has been expected during process changes in the FBR, it is expected to drop well below cleanup specifications following completion of these adjustments/changes.

Contaminant Of Concern	Average Effluent Concentration	Cleanup Level Specified in Record of Decision
Nitrate	10,000 ug/L ^{a*}	10,000 ug/L (Nitrate as Nitrogen)
Carbon Tetrachloride	<1 ug/L	3.4 ug/L
TCE	<0.5 ug/L	1 ug/L
Total Chromium	8.3 ug/L	100 ug/L
Hexavalent Chromium	<2 ug/L	48 ug/L
Iodine-129	<0.2 pCi/L	1 pCi/L
Technetium-99	56 pCi/L	900 pCi/L
Tritium	3,500 pCi/L	20,000 pCi/L

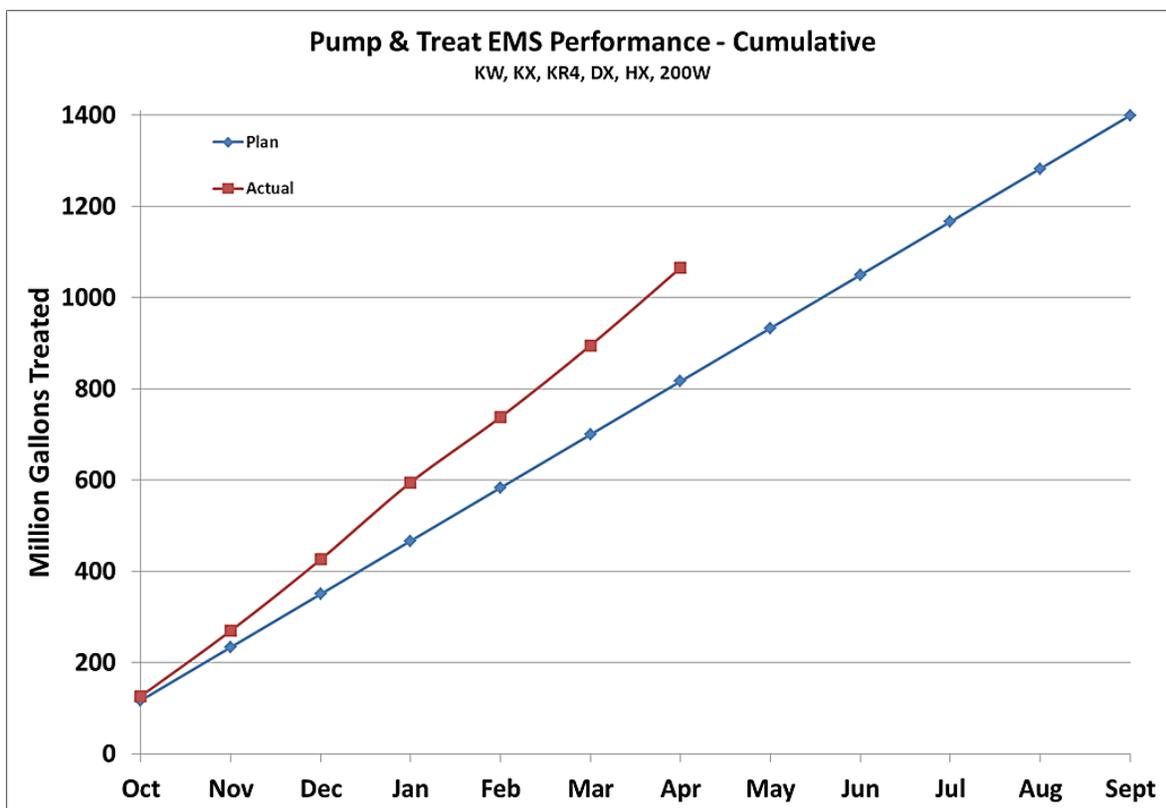
^{a*}: Nitrate was reported as an average for FY13 since nitrate concentrations have been allowed to increase slightly in the past few months to help stabilize the fluidized bed reactors.

200-DV-1 Operable Unit

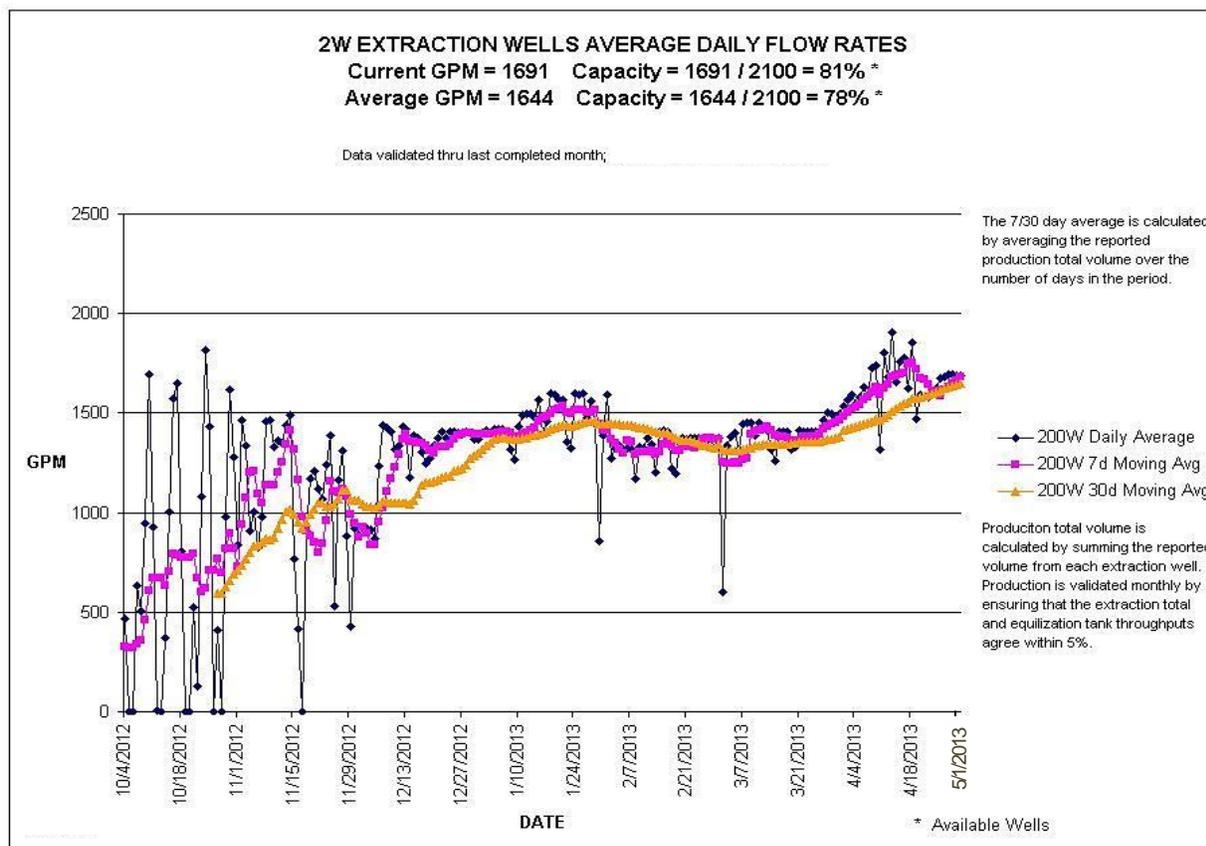
- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,348 gallons during the month of April, bringing the total volume of perched water removed to 119,406 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of April:

Contaminant	April	Cumulative
Tc-99	16.1E-04 Ci	12.2E-03 Ci
Uranium	1.2 kilograms	18.4 kilograms
Nitrates	20.1 kilograms	244.6 kilograms

Pump and Treat Operations – FY2013



200 West Pump and Treat Operations



MAJOR ISSUES

Issue – The Tentative Agreement, that modifies the delivery date for the 100-N and 100-BC OU RI/FS Reports and Proposed Plans, has not been approved. The Tentative Agreement includes additional milestones for installing and monitoring new wells and aquifer tubes in the 100-BC-5 OU.

Corrective Action –

- RL has authorized PRC to begin preparatory activities for drilling field work at 100-BC-5. Authorization to execute the field activities is pending the TPA approval of a change notice to the RI/FS Work Plan and SAP. Requested RL to authorize the initiation of well drilling and aquifer tube installation to meet the September 30, 2013 draft TPA milestone (This work scope is currently on hold due to Sequestration funding limitations).
- 100-NR-2 RI/FS Report is planned for delivery in June 2013.
- 100-BC-5 RI/FS Report and Proposed Plan are planned for delivery in December 2016.

Status – Resolved – signed TPA change package M-15-12-03 (April 25, 2013) provided the delivery dates for well and aquifer tube installation, 100-NR-2 RI/FS Report and PP delivery, and 100-BC-5 RI/FS Report and PP delivery. This will be the last report of this issue.

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 has identified a path forward to resolve EPA’s comments. The draft Rev 0 Proposed Plan has been revised in accordance with RL Senior Management direction.

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. DQO complete; nearing completion on sampling instructions; anticipating field work in late April.
- 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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.			Working with the customer on recent issues with MCL vs. Risk Based Evaluations used in the River Corridor RI/FS documents. The proposed changes have impact on the River Corridor RI/FS and PP documents. Assisted customer in development of a white paper for discussion with the regulators. Path forward on recent issues is being negotiated between the Tri Parties. These negotiations continue to cause rework in both the RI/FS and PP documents.
SGW-080: 100-BC-5 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require a Request for Proposal (RFP).			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary. To achieve a conclusion of MNA, additional monitoring and aquifer tubes are required (contract change) under TPA Milestone M-015-76.
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. This is a DOE risk that the contractor does not transfer the technology document complete with electronic appendices to CHPRC.			The transmittal on April 17, 2013 did not contain the expected electronic material. Notification of impact letter to RL being drafted.
SGW-158: Phase-I Tank Waste EIS Model Transition	CHPRC developed a two-phase test plan to enable the TC&WM EISL Model to be transferred from ORP/WRPS to RL/CHPRC to 1) be placed under configuration control and demonstrate that key EIS cases can be rerun and results are consistent, and 2) be revised and updated for additional uses in support of the Hanford Site mission. Additional analysis will be at the request of the Contracting Officer.			Ongoing discussions with DOE-RL regarding the transfer.
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Installation of additional injection wells and extraction wells to achieve the targeted 2,000 gpm pumping rates will be impacted by the Sequestration. Only 4 of 8 wells planned to be drilled in FY2013 will now be installed. The installation of well racks, tie-in of wells, laying of HDPE has now been stopped with the exception of injection well YJ-23. Five interim injection wells were hooked up in FY2012 to the 200 West P&T for additional injection capacity.			The extraction/injection well network that is currently on line could potentially provide sufficient flow rates to achieve the 2,000 gpm pumping rates if no wells are offline.
SGW-156,100K Groundwater Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units. Well installation may be prioritized across the Soil and Ground water project within the current funding authorization. Well installation prioritization will be a joint effort between CHPRC and DOE.			At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling in the vicinity of KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operating and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. There are four Skanska sub-contractors and four CHPRC initiated long-lead procurements that remain. However, Sequestration may impact the claims litigation process.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.	●	↑	Cost Performance for April remains above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↓	Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are being implemented, furloughs ongoing. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	0.1	0.0	0.0	(0.1)	0.0
RL-0030.O1 RL 30 (Operations)	8.8	7.1	6.7	(1.7)	-19.6	0.4	5.8
RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.0)	0.0	0.0	0.0	0.0
RL-0030.R1.2 Well Drilling Operations	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RL-0030.R1.3 Support Operations	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
Total	8.8	7.1	6.7	(1.7)	-19.6	0.4	5.1

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 and M-24 and some ZP-1 will be deferred as a result of the Sequestration funding reductions.

100-NR-2 Operable Unit (-\$0.3M)

The current month negative schedule variance is the result of early completion of FY2013 barrier expansion work scope (completed in FY2011/FY2012). The current month negative schedule variance will continue throughout FY2013 as BCWP was earned for this work scope in prior years. This will

result in a reduction to the contract to date positive schedule variance during the remainder of this fiscal year. There is no overall negative impact to the CTD schedule variance as the work planned to be completed in FY2013 has already been completed.

CM Cost Performance (+\$0.4M/+5.1%)

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

RL-0030.O1 RL 30 Operations (+\$0.4M/+5.8%)

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

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

Contract-to-Date (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
RL-0030.C1 GW Remedy Implement	73.4	73.4	86.9	(0.0)	-0.0	(13.5)	-18.4	73.4	87.1	(13.7)
RL-0030.O1 RL 30 (Operations)	522.6	519.7	508.3	(3.0)	-0.6	11.4	2.2	1,151.9	1,140.6	11.3
RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.4	0.0	0.0	0.6	0.3	175.0	174.4	0.6
RL-0030.R1.2 Well Drilling Operations	40.7	40.7	38.4	0.0	0.0	2.4	5.8	40.7	38.4	2.4
RL-0030.R1.3 Support Operations	<u>51.4</u>	<u>51.4</u>	<u>51.1</u>	<u>(0.0)</u>	-0.0	<u>0.3</u>	0.5	<u>51.4</u>	<u>51.1</u>	<u>0.3</u>
Total	863.2	860.2	859.0	(3.0)	-0.3	1.2	0.1	1,492.5	1,491.6	0.9

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$3.0M/-0.3 %)

RL-0030.O1 RL 30 Operations (-\$3.0M/-0.6%)

Drilling (-\$1.9M)

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

CTD Cost Performance (+\$1.2M/+0.1%) – Cost performance variances that exceed threshold are reported below. The CTD cost variances are primarily the result of prior year activity that has been previously reported:

RL-0030.C1 GW Remedy Implement (-\$13.5M/-18.4%)

200-ZP-1 Operable Unit (-\$13.5M)

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 (+\$11.4M/+2.2%)Integration and Assessments (+\$6.1M)

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 (-\$2.4M)

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 (+\$3.5M)

CTD underruns are a result of efficiencies and savings that have been achieved labor, contracts, materials over the entire contract period. These underruns are expected to continue as the management account achieves the efficiencies necessary to meet the overall project funding objectives.

100-NR-2 Operable Unit (+\$2.7M)

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 (+\$2.0M)

The positive cost variance is primarily the result of efficiencies realized in general operations and Soil Vapor Extraction testing.

Regulatory Decisions and Closure Integration (+\$2.0M)

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 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	87.0	4.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

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

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-030-13-010R0 – *Acceleration of 200-UP-1 RD/RA WP Rev 0 into FY13*

BCRA-PRC-13-007R0 – *FY2014 Base Year Shift*

FY2013 Management Reserve (Funded): \$0.0M

No Management Reserve was used during April

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs except 100-BC-1/2/5 OUs and 100-NR-1/2 OUs	TPA	12/31/12	12/28/12		TPA Milestone approved April 25, 2013 per M-15-12-03.
M-016-126	Submit a Draft A Remedial Design/Remedial Action Work Plan for 200-UP-1 to EPA.	TPA	06/24/13	04/2/13		Complete per RL letter to EPA 13-AMRP-0144.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-037-03	Submit Revised Closure Plans for 216-B-3 and 216-S-10	TPA	4/30/13	4/18/13		Complete per RL letter to Ecology 13-AMRP-0155
M-015-68-T01	Submit RI/FS Report & PP for 100-BC-1/2/5 OUs	TPA	3/15/12 (Original Due Date: 11/30/11)			Deleted April 25, 2013 per M-15-12-03. Replaced with M-015-79.
M-015-62-T01	Submit a FS/PP for 100-NR-2-1/2 Operable Units Including groundwater and soil.	TPA	9/17/12			Deleted April 25, 2013 per M-15-12-03.
M-085-01	Submit a change package to establish a date for major milestone M-085-00.	TPA	3/30/13		9/30/22	Change Package M-85-12-02 reschedules milestone to September 30, 2022.
M-024-58F	Initiate Discussions of Well Commitments	TPA	6/1/13		6/1/13	On Schedule
M-091-40L-038	PMM Submittal Jan-Mar 2nd Qtr. FY2013 Burial Ground Sample Results	TPA	6/15/13		6/15/13	On Schedule
M-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/13	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY2013 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	On Schedule
M-015-76	Install additional wells monitoring network as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	11/30/13		11/30/13	On Schedule. Approved April 25, 2013 per M-15-12-03.
M-015-77	Install additional aquifer tubes as specified in revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	11/30/13		11/30/13	On Schedule. Approved April 25, 2013 per M-15-12-03.
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-024-64	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/13		12/31/13	On Schedule
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		2/28/14	13-AMRP-0136 notifies Regulators of Sequestration impacts.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		2/28/14	13-AMRP-0136 notifies Regulators of Sequestration impacts.
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr FY2014 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

April 2013
CHPRC-2013-04, 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 completed the replacement of 300 radiological postings on Waste Information Data System (WIDS) sites, conducted 81 radiological facility surveillances, and completed B Plant Annual Surveillance.

EMS Objectives and Target Status

None at this time.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Conducted 81 radiological facility surveillances
- Completed BC Control Area and Radiation Area Remedial Actions (RARA) surveillance
- Continued with WIDS site housekeeping (weed spraying)
- Completed 60 Preventive Maintenance (PM) activities
- Completed B Plant Annual Surveillance

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
 Risk Passed
 New Risk
 Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered. Redox roof repairs under investigation.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
D4-062: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns. Stop work issued requiring quick turnaround repair of degraded steam line sections. However, Sequestration is impacting ability to stabilize/remove and monitor asbestos areas within the Central Plateau.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Continuing to maintain Fiscal Year Cost Performance Index (CPI) greater than 112%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE Current Month (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.0	0.9	0.7	(0.1)	-11.4%	0.2	20.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.1M/-11.4%)

Variance is within threshold.

CM Cost Performance: (+\$0.2M/+20.4%)

Variance is within threshold.

Contract-To-Date (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	371.1	370.8	343.0	(0.3)	-0.1%	27.8	7.5%	488.7	460.9	27.9

Numbers are rounded to the nearest \$0.1M

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

Variance is within threshold.

CTD Cost Performance: (+\$27.8M/+7.5%)

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

- ARRA-funded work scope included efficiencies with Program Management (\$2.6M), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0M), lower than planned capital equipment costs (\$3.0M) and efficiencies with Arid Lands Ecology (ALE) (\$3.7M), North Slope Facilities (\$1.2M), disposition of railcars D&D (\$2.1M), and Industrial 7 Project (\$3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (\$-15.5M). Efficiencies in Outer Area Waste Sites (\$6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, ERDF passback which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services (\$7.4M) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources (\$1.3M), S&M costs less than expected (\$2.3M), U Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1M), Program Management utilizing less resources (\$2.6M) and under run in overhead allocations (\$1.4M).

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

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from March to April 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		
	Projected Funding	Spending Forecast	Spend Variance
RL-0040	13.0	12.1	0.9

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

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

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-040-13-001R0 - *RL-40 Steam Pipe and Asbestos Stabilization*

BCR-PRC-13-007R0 - *FY 2014 Base Year Shift*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

April 2013
CHPRC-2013-04, 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	14	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Continued revisions to the 105KE Facility Hazard Categorization (goal is to recategorize to less than Hazard Category 3).
- Continued planning for disposition/disposal of legacy waste items for the 100K Area.
- Continued review of remediation and decommissioning work packages in preparation for restart of D4 activities.
- Continued evaluation of sequestration impacts (including collection and tracking of planned absences & furloughs).
- Responded to Mission Support Alliance request for rough order of magnitude estimate for facility demolition (Work for Others).
- Worked with Environmental Protection Agency (EPA) to complete modifications of the 100K Remedial Action Work Plan.

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
 Working - Concern
 Working - Critical

Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0041				
KBC-ISS-003: Removal and Abatement of material from KE Reactor	Maintain communication through interface and project review meetings with DOE and regulators so concurrence on cleanout strategy will be obtained.			KE Reactor ISS abatement and cleanout has been completed for FY2013. The reactor will be placed in a surveillance mode.
KBC-043: Waste Site Remediation Completion Requirements	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			CHPRC evaluated installing 2 high-risk monitoring wells to monitor the sites. The installation of the wells represents a potential contract change. However, due to sequestration, this work is unlikely to be funded in FY2013.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 102%. Cost Performance above 102% for first fiscal year.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			Continuing to address areas with asbestos concerns. Due to sequestration impacts, semi-annual surveillance of prior demolition waste sites may not be funded.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented. However, ongoing impacts to delayed/deferred work scope may carry forward into FY2014.

PROJECT BASELINE PERFORMANCE

Current Month
(\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.1	0.5	0.4	(0.5)	-49.6%	0.1	27.6%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.5M/-49.6%)

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 (+\$0.1M/+27.6%)

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	299.2	298.7	278.5	(0.5)	-0.2%	20.2	6.8%	467.5	449.6	17.9

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$0.5M/-0.2%)

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

CTD Cost Performance (+\$20.2M/+6.8%)

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

Estimate at Completion (EAC)

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

The changes in EAC from March to April 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	9.1	0.6

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

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

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-13-007R0 – *FY 2014 Base Year Shift*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

April 2013
CHPRC-2013-04, 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. Initiated planning to provide RL with the scope, cost, and schedule required to isolate 400 Area sewer system discharge from Energy Northwest.

EMS OBJECTIVES AND TARGET STATUS

None at this time.

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- Completed five Preventive maintenance (PM) activities/operational surveillances.
- Completed five radiological surveillances.
- Continued preliminary planning to provide RL with the scope, cost, and schedule to cease sanitary sewer discharge to Energy Northwest by January 1, 2014.
- Completed FFTF fire detection system testing/inspections. Down posted 4713B after completing decon of the area.

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities.
PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			FFTF performing above Cost Performance of 102%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Final FY 2013 Sequestration impact letter is being drafted. Sequestration impacts are implemented.
FFTF-013: DOE/ENW Agreement Concerning 400 Area Sewer Flow	ENW notified RL that consistent with the agreement between the two entities for the 400 Area sewer flow, effective January 1, 2014 ENW would no longer accept waste water from the 400 Area.			Potential Contract change – CHPRC and MSA are developing a plan to eliminate discharges to ENW. Response to DOE direction to provide cost, scope and schedule due May 31, 2013.

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	37.0%

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/+37.0%)

The current period cost variance is within threshold.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	15.0	15.0	13.0	0.0	0.0%	2.0	13.4%	26.5	24.6	2.0

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 (+\$2.0M/+13.4%)

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

Estimate at Completion (EAC)

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

The change in EAC from March to April 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	2.2	0.1

Numbers are rounded to the nearest \$0.1M

Funds Analysis:

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

Critical Path Schedule

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

Baseline Change Requests

BCRA-PRC-13-007R0 – FY 2014 Base Year Shift

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



April 2013
CHPRC-2013-04, 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 / 03 / 25							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 04 / 21							
			c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009							
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS						
	5,451,637	3,316		227,692	5,679,330	5,712,534	5,679,330	5,712,534								
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		5,399,620						c. SIGNATURE			d. DATE SIGNED 4/21/2013					
b. WORST CASE		5,451,737														
c. MOST LIKELY		5,484,841		5,454,953	(29,888)											
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	9,784	3,822	8,911	(5,962)	(5,089)	597,964	576,838	599,738	(21,126)	(22,900)	0	0	0	940,255	1,009,669	(69,415)
012 RL-12 SNF Stabilization and Disposition	5,490	5,070	8,243	(420)	(3,173)	370,223	360,121	364,540	(10,103)	(4,420)	0	0	0	606,548	633,780	(27,231)
013 RL-13 Solid Waste Stabilization & Disposition	6,884	6,837	6,673	(47)	164	750,548	750,073	737,509	(474)	12,565	0	0	0	1,344,498	1,329,563	14,935
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,811	7,084	6,725	(1,727)	359	863,183	860,214	859,038	(2,969)	1,177	0	0	0	1,492,452	1,491,593	859
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,046	927	738	(119)	189	371,135	370,803	343,024	(333)	27,779	0	0	0	488,747	460,877	27,870
041 RL-41 Nuclear Facility D&D - River Corridor	1,073	541	392	(532)	149	299,231	298,691	278,528	(540)	20,164	0	0	0	467,474	449,589	17,885
042 RL-42 FFTF Closure	160	160	101	(0)	59	14,959	14,959	12,952	0	2,007	0	0	0	26,542	24,549	1,993
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	33,248	24,441	31,782	(8,807)	(7,341)	3,267,244	3,231,700	3,195,328	(35,544)	36,371	0	0	0	5,366,516	5,399,620	(33,104)
f. Management Reserve														85,221		
g. Total	33,248	24,441	31,782	(8,807)	(7,341)	3,267,244	3,231,700	3,195,328	(35,544)	36,371	0	0	0	5,451,737		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance										(35,544)	36,371			5,451,737	5,399,620	52,117

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 / 03 / 25							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2013 / 04 / 21							
c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																
FOC ITEM (1)	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)						
30A - Project Services & Support																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291
30B - WBS 98 PSD Distribution																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)
30C - WBS 98 R&RP Distribution																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)
30W - WBS 98 WFR Distribution																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
34 - Environmental Prog & Strategic Planning																
030.2 - Envr Prog & Strategic Planning	409	409	366	0	43	39,917	39,917	36,714	0	3,203	0	0	0	79,989	76,653	3,336
	409	409	366	0	43	39,917	39,917	36,714	0	3,203	0	0	0	79,989	76,653	3,336
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	49	0	(49)	273,050	273,050	292,808	0	(19,758)	0	0	0	273,050	293,012	(19,962)
	0	0	49	0	(49)	273,050	273,050	292,808	0	(19,758)	0	0	0	273,050	293,012	(19,962)
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	9,784	3,822	8,911	(5,962)	(5,089)	513,106	491,979	521,943	(21,126)	(29,964)	0	0	0	855,396	931,874	(76,478)
	9,784	3,822	8,911	(5,962)	(5,089)	513,106	491,979	521,943	(21,126)	(29,964)	0	0	0	855,396	931,874	(76,478)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	2,447	2,447	2,216	0	231	131,913	131,913	130,585	0	1,328	0	0	0	252,176	259,754	(7,577)
012.2 - Sludge Treatment Project	3,043	2,623	6,026	(420)	(3,404)	184,526	174,424	180,818	(10,103)	(6,395)	0	0	0	300,588	320,889	(20,302)
013.1 - Waste Management	6,884	6,837	6,673	(47)	164	643,924	643,450	630,319	(474)	13,132	0	0	0	1,237,875	1,222,373	15,502
040.1 - PRC D&D	29	29	3	0	26	191,578	191,578	187,776	(0)	3,802	0	0	0	225,205	221,907	3,298
040.2 - D&D Fac Waste Site Remediation	0	0	0	0	0	67,594	67,594	60,123	0	7,470	0	0	0	89,437	81,967	7,470
041.1 - River Zone	1,073	541	392	(532)	149	246,359	245,819	235,045	(540)	10,774	0	0	0	414,602	406,106	8,496
042.1 - FFTF	160	160	101	(0)	59	13,323	13,323	11,414	0	1,909	0	0	0	24,906	23,011	1,895
040.3 - PRC Fac & Waste Site Maint	1,017	898	734	(119)	164	40,473	40,140	36,760	(333)	3,380	0	0	0	102,614	98,639	3,975
	14,653	13,534	16,146	(1,119)	(2,611)	1,519,690	1,508,241	1,472,841	(11,449)	35,400	0	0	0	2,647,403	2,634,646	12,757
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	8,402	6,675	6,310	(1,727)	365	452,591	449,622	425,312	(2,969)	24,310	0	0	0	1,041,788	1,017,725	24,063
	8,402	6,675	6,310	(1,727)	365	452,591	449,622	425,312	(2,969)	24,310	0	0	0	1,041,788	1,017,725	24,063
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	33,248	24,441	31,782	(8,807)	(7,341)	3,267,244	3,231,700	3,195,328	(35,544)	36,371	0	0	0	5,366,516	5,399,620	(33,104)
f. Management Resrv.														85,221		
g. Total	33,248	24,441	31,782	(8,807)	(7,341)	3,267,244	3,231,700	3,195,328	(35,544)	36,371	0	0	0	5,451,737		

FORMAT 3, DD FORM 2734/3, BASELINE

April 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: 2013/03/25 b. TO: 2013/04/21															
5. CONTRACT DATA																										
a. ORIGINAL NEGOTIATED COST 4,312,366			b. NEGOTIATED CONTRACT CHANGE \$1,139,271		c. CURRENT NEGOTIATED COST (A + B) \$5,451,637		d. ESTIMATED COST AUTH UNPRICED WORK \$3,316		e. CONTRACT BUDGET BASE (C + D) \$5,454,953		f. TOTAL ALLOCATED BUDGET \$5,451,737		g. DIFFERENCE (E - F) \$3,216													
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 May-12 (4)	+2 Jun-13 (5)	+3 Jul-13 (6)	+4 Aug-13 (7)	+5 Sep-13 (8)	+6 Oct-13 (9)														
a. PM BASELINE (BEGIN OF PERIOD)			1,878,659	32,636	33,164	40,952	30,346	29,393	39,843	41,655	653,426	960,017	1,002,105	428,688	2,322,282	0	5,366,518									
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																										
BCR-040-13-001R0 - RL-40 Steam Pipe and Asbestos Stabilization																										
BCRA-PRC-13-007R0 - FY2014 Base Year Shift																										
BCR-030-13-010R0 - Acceleration of 200-UP-1 RD/RA WP Rev 0 into FY13																										
c. PM BASELINE (END OF PERIOD)			1,911,680	33,021	33,210	41,009	30,385	29,429	39,890	41,702	653,426	960,017	1,002,105	428,688	2,322,280	0	5,366,516									
7. MANAGEMENT RESERVE																										
8. TOTAL																										

Block 5.g "Difference" is attributable to incorporation of Contract Modification 268, which incorporates definitized Change Order 222, 100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network Installation and Sampling.

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 / 03 / 25		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE			b. TO (YYYYMMDD) 2013 / 04 / 21		
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO 9/18/2009					
5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)												
FOC Group by FOC ITEM (1)	ACTUAL CURRENT PERIOD (2)	ACTUAL END OF CURRENT PERIOD (Cumulative) (3)	FORECAST (Non-Cumulative)								AT COMPLETION (15)	
			SIX MONTH FORECAST						SPECIFIED PERIODS			
			+1 May (4)	+2 Jun (5)	+3 Jul (6)	+4 Aug (7)	+5 Sep (8)	+6 Oct (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	7	584	7	6	7	7	7	7	10	77	336	1,041
	7	584	7	6	7	7	7	7	10	77	336	1,041
32 - Safety, Health, Security & Quality												
000.2 - Safety,Health,Security/Quality	51	4,303	50	50	50	50	50	50	48	524	2,017	7,142
	51	4,303	50	50	50	50	50	50	48	524	2,017	7,142
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	18	1,131	19	19	19	19	19	19	16	190	751	2,183
030.2 - Envr Prog & Strategic Planning	15	1,560	15	20	17	15	17	17	22	243	1,431	3,340
	33	2,691	34	39	36	34	36	36	38	433	2,182	5,523
35 - Business Services												
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	0	1,302
000.8 - Chief Financial Officer	66	4,293	66	66	66	66	66	66	71	776	3,375	8,845
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0	15
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13
	66	5,934	66	66	66	66	66	66	71	776	3,375	10,486
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	32	2,121	39	39	39	39	39	39	35	385	1,680	4,416
000.9 - Chief Information Officer	10	680	11	11	11	11	11	11	10	109	476	1,330
	42	2,801	50	50	50	50	50	50	45	494	2,156	5,746
38 - Project Technical Services												
000.F - Eng/Procurement & Construction	11	1,307	19	19	19	19	19	19	13	140	613	2,168
000.T - Proj Tech Svcs	3	1,556	17	17	17	17	17	17	17	184	802	2,644
030.3 - EPC - Groundwater	1	3,631	2	2	2	2	2	2	0	0	0	3,641
	15	6,494	38	38	38	38	38	38	30	324	1,415	8,453
39 - PS&S G&A Adder Offset												
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0
3B - PFP Closure												
011.1 - Plutonium Finishing Plant	384	30,088	404	407	408	409	407	407	485	5,568	8,940	47,116
	384	30,088	404	407	408	409	407	407	485	5,568	8,940	47,116
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	98	7,174	103	103	103	103	103	103	112	1,235	3,240	12,276
012.2 - Sludge Treatment Project	89	6,323	86	85	87	89	89	89	70	1,110	2,280	10,219
013.1 - Waste Management	272	33,230	299	299	300	301	301	301	376	3,964	18,059	57,129
040.1 - PRC D&D	0	7,529	0	0	0	0	0	0	0	0	1,256	8,783
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	0	487	1,828
040.3 - PRC Fac & Waste Site Maint	32	2,344	39	38	38	38	38	38	41	471	1811	4,858
041.1 - River Zone	13	6,928	20	20	20	20	20	20	30	329	4006	11,393
042.1 - FFTF	6	624	5	5	5	5	5	5	7	76	330	1,062
	510	65,493	552	550	553	556	556	556	636	7,185	31,469	107,549
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	215	17,346	236	232	233	231	231	231	280	3,278	14,736	36,803
	215	17,346	236	232	233	231	231	231	280	3,278	14,736	36,803
Grand Totals:	1,323	135,737	1,435	1,437	1,440	1,439	1,438	1,642	18,659	66,629	229,857	

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT			3. PROGRAM		4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract		a. FROM (YYYY/MM/DD) 2013/03/25	
b. LOCATION (Address and ZIP Code) Richland, WA 99354			b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2013/04/21		
			c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE 2009/09/18 NO YES X				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	33,248	24,441	31,782	(8,807)	-26.5%	(7,341)	-30.0%	0.74	0.77
Cumulative:	3,267,244	3,231,700	3,195,328	(35,545)	-1.1%	36,371	1.1%	0.99	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,366,516	5,399,620	(33,104)	-0.6%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$8.8M) is primarily due to RL-0011 PFP Closure Project negative variance (-\$6.0M) results from delayed PRF work efforts impacted by continued PRF canyon crane failure, delayed process vacuum and transfer line removal efforts, which were impacted by a stop work associated with chemical lines and reformed field teams, deferral of 242-Z D&D field work due to Sequestration, time taken for annual training of D&D field work teams, reforming teams due to Sequestration, Field Work Supervisor (FWS) furloughs, and an extended maintenance outage which restricted D&D activities, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel. The RL-0030 negative variance (-\$1.7M) is due to early completion of the NR-2 barrier work that was planned in FY2013, but completed in FY2011 and FY2012, well drilling delays for H, K, ZP-1, and M-24 wells due to Sequestration impacts and chemical procurements for 200W Pump-and-Treat that will occur later in the Fiscal Year. The RL-0041 negative variance (-\$0.5M) is due to completion of waste site planned work in a prior period coupled with the deferral of planned ISS scope pending RL authorization to re-phase to 2015.</p> <p>Current Period Cost Variance: The Current Month unfavorable Cost Variance (-\$7.3M) is primarily due to RL-0011 negative variance (-\$5.1M) resulting from unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, emergent work scope for the removal of interference lines in the duct level of 234-5Z, and the inability of D&D field work teams to work as planned, combined with a limited ability to reassign resources to other work. Almost half of the unfavorable variance is attributed to a constant cost of D&D support services (NDA, Project Support, and Solid Waste Operations) with limited progress on post-March 2013 discrete D&D activities. The RL-0012 negative variance (-\$3.2M) is due to costs driven by the suspension of the Annex Construction contract. This included the work required to lay up the construction site/project for an extended period of inactivity and anticipated change orders to the contract by the construction contractor.</p> <p>Cumulative Schedule Variance: The Cumulative unfavorable Schedule Variance (-\$35.5M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$36.4M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$14.5M) and prior year G&A/DD/PSD distribution variances (+\$21.9M).</p>									
Impact:									
<p>Current Period Schedule: For RL-0011, the Current PMB Schedule reflects the life-cycle impact of Sequestration, resulting in an additional 191 working-day slip to the PFP 9/30/2016 Slab-on-Grade completion date. For RL-0012, procurements are being prioritized to recover schedule variance and minimize impacts to overall schedule.</p> <p>Current Period Cost: No significant impacts by PBS have been identified.</p>									
<p>CTD Schedule: For PBS RL-0011, KPP - Given the schedule impacts to date, and the remaining time to recover, plus Sequestration impacts, the baseline completion date has slipped to February 10, 2015. Mandated Sequestration reductions in FY2013, funding, and impacts to the assigned number of PFP D&D field work teams hinders the project's ability to continue working four field work teams to support completing the KPP glovebox work scope by May 2014. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field teams push completion of follow-on work, impacting TPA Milestone M-083-00A. The current forecast is showing a 375 working-day delay to TPA Milestone M-083-00A, primarily driven by added chemical mitigation work scope delaying process vacuum removal in 234-5Z and further delays resulting from FY2013 Sequestration. The Current PMB Schedule reflects reduced field teams in FY2013 (from 12 to 8), as well as the life cycle impacts resulting from reductions required by Government-mandated Sequestration. The top ten critical float paths contain activities associated with process vacuum piping and process support equipment removal, 291-Z D&D and stack demolition, 234-5Z final filter removal and grouting of cavities/penetrations, and 291-Z 17" sample vacuum and 232-Z duct removal. As a result of reduced funding, slightly offset by implementation of breakthrough initiatives, the FY2013 Baseline Update reflects an impact of a one-year delay from the PMB3 Baseline Plan that was submitted in November 2011. Due to FY2013 and FY2014 funding constraints and schedule impacts experienced in FY2013, completion of TPA Milestone M-083-44 by 9/30/2015 is not achievable. The FY2013 impacts from Sequestration are unrecoverable. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015. Forecast: December 4, 2017. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016. Forecast: March 30, 2018. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex S&M Plan to Ecology. Due June 30, 2016. Forecast: June 30, 2016. No other significant impacts have been identified.</p>									

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

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

Corrective Action:

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

Current Period Cost: No corrective actions are required.

CTD Schedule: For PBS RL-0011, the following corrective actions are in place. No other specific corrective actions are planned at this time.
 1. Process Vacuum Removal team is looking at the feasibility of removing equipment by area versus system to reduce schedule duration and recover some of the schedule delay. Status: Based on priority, focus on reducing Material at Risk (MAR), and path forward vision for the project, this work scope has been deferred to outyears. The method of execution will be reflected in the PMB Update. CLOSED. 2. Sequestration impacts to the PFP project, life cycle, will be identified and work scope/resources prioritized to achieve the least impact to the slab-on-grade completion date. Status: Impacts have been identified in the schedule. Life cycle impacts are not reflected in the EAC. Prioritization continues in concert with implementing break-through initiatives. Project efficiencies are being investigated to mitigate impacts to the project completion date and will be identified in the PMB Update. CLOSED. 3. RL and CHPRC will participate in a value engineering (VE) session in April. A VE Study will be issued, identifying initiatives to be pursued by the project. Status: VE session: COMPLETE. Three major break-through initiatives (Change with the End in Mind, Change the Skyline/Change the Culture, KISS it All) and several standalone action items were identified. Schedules are being developed to implement the initiatives (ECD: May 2013). 4. Enhanced "time on tools" continues to be pursued for all PFP subprojects as part of the ongoing Collective Bargaining Agreement negotiations (ECD: June 2013). 5. 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: August 2013). No other corrective actions are required.

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

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

Overall, the project was 26.5% behind schedule and 30% over cost in April. Project performance in April was primarily attributed to RL-0011 due to the effects of delayed, deferred and restricted work efforts previously reported coupled with deferral of 242-Z D&D field work and reforming teams due to Sequestration, time taken for annual training of D&D field work teams, Field Work Supervisor (FWS) furloughs, and continued impacts due to bargaining unit personnel stepping down from Supervisory positions and the turn down of overtime by bargaining unit personnel; RL-0030 due to prior year completion of work planned in FY2013, well drilling delays for H, K, ZP-1, and M-24 wells due to Sequestration and chemical procurements for the 200W P&T that will occur later in the Fiscal Year; RL-0041 due to prior year completion of planned work coupled with the deferral of planned ISS scope pending DOE authorization to re-phase to 2015. Corrective Actions are in place to recover schedule and to address Sequestration impacts.

Corrective Actions for PFP, RL-0011, include assigning D&D field work teams based on highest-risk work scope, use of value engineering, pursuing enhanced "time on tools" as part of the ongoing Collective Bargaining Agreement negotiations, and changing the PFP safety basis and criticality analysis to approximately double the current allowable fissile inventory for loading gloveboxes outside. Sequestration impacts are being evaluated and work scope/resources prioritized to achieve the least impact to the slab-on-grade completion date. Corrective actions for STP, RL-0012, are primarily focused on laying up the site and materials for long term storage and planning the re-start of construction in FY2014. No other corrective actions are required.

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

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

Format 1 and 3 Contract Data:

Contract Price Adjustments

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

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

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR & PBS
BCR-030-13-010R0	<i>Acceleration of 200-UP-1 RD/RA WP Rev 0 into FY2013</i>	2013/2015	\$2.1K Add
\$2.1K of Management Reserve net change in April 2013.			

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

Prepared by: Project Control Staff	Date: 5/20/2013	Approved by:	Date:
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(1) = Trench Face Retrieval & Characterization System; (2) = Engineered Containers Retrieval and Transportation System; (3) PSD R&RP = Project Specific 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

April 2013
CHPRC-2013-04, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

K. G. Tebrugge
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-EPC-OB1-T1	Reduce the potential generation and release of toxic and hazardous chemicals and materials.	Improve spill prevention program to reduce the potential for spills to the environment by use of spill prevention techniques, training, and surveillances.	9/30/13	55%
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	50%
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	25%
13-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into 80% of CHPRC onsite/offsite event contracts.	7/31/13	66%
13-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Improve the procurement of environmentally preferable products by limiting the availability of non-compliant office products on the POS web site and providing educational materials to 100% of CHPRC P-Card holders.	10/9/13	55%
13-EMS-ADMIN-OB4-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained. This will alleviate repair and operation costs and standardize the printer/copier types. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	9/30/13	72%
13-EMS-ADMIN-OB5-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Track the use of SMART boards during quarter 1 and 2 in FY2013. Calculate reduced GHG emissions realized from the use of SMART boards.	4/30/13	100%
13-EMS-ADMIN-OB6-T1	Reduce or avoid greenhouse gas emissions.	Have at least 10 CHPRC employees bicycle to work on May 17, 2013, Bike to Work Day. Build on the enthusiasm and expand the challenge to the entire month of June.	7/31/13	0%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Months	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	3	N/A
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of crosscutting services. As of April, the CHPRC Functional Program organizations continued with no recordable injuries, have accumulated over 1,999,786 person hours worked without a recordable injury (two years and ten months), and over 3,203,815 person hours worked (four years and seven months) without a DART case.
 - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees.
 - Continued progress with the Corrective Action Plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project. 39 of 74 BeCAP products are completed and ready for implementation.
 - Working with customer and other contractors to approve and implement Revision 2 of the Chronic Beryllium Disease Prevention Program (CBDPP).
 - Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues.
 - Continued working with other site contractors and within CHPRC to establish a consistent approach to ladder inspections.
 - Completed Voluntary Protection Program (VPP) assessments at the Project level using the GAP Analysis Tool.
 - Ongoing efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Continued support to Plutonium Finishing Plant (PFP) for beryllium program implementation.
 - Working with OHM provider, provided support to the Soil and Groundwater Project (SGWP) in hazard analysis for endotoxins.
 - Developed Computer Based Training for Temperature Extremes.
 - Working with Project personnel developing implementation of IH Exposure Assessment Process.

- Continued efforts in closing the backlog of “open” surveys in the Site Wide Industrial Hygiene Database.
- Continued planning efforts in support of the Hanford Site Safety Expo.
- o Radiological Control accomplishments:
 - Continued to support site-wide Radiological Control committees.
 - Continued to work on draft company level procedure designed to improve radiological survey process for heavy equipment and leased/rented equipment.
 - Provided technical support to Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) personnel towards implementation of Sr-90 contamination limits and appropriate survey techniques.
 - Provided support to PFP Closure Project in the development of test plans, procedures, and training needed to allow the use of lapel CAMs.
 - Provided technical support to DWF&RS personnel towards implementation of additional radiological postings surrounding LERF Basin 44.
- o Nuclear Safety deliverables prepared and transmitted to RL in April include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1300952, dated April 1, 2013, *CHPRC Transmittal of 2013 Annual Update to the Plutonium Finishing Plant Safety Basis and Unreviewed Safety Question Summary Report.*
 - Letter, CHPRC-1301402, dated April 3, 2013, *Transmittal of the 2013 Annual Update of the Reduction-Oxidation Facility Safety Basis and Unreviewed Safety Question Determination Summary.*
 - Letter, CHPRC-1300461.1, dated April 4, 2013, *Transmittal of Revised Redline/Strikeout File of PRC-PRO-NS-062, Revision 2, Unreviewed Safety Question Process, for information.*
 - Letter, CHPRC-1301433A R1, dated April 29, 2013, *Requested Assessment of Safety Basis Document Configuration Control.*
 - Transportation Safety deliverables:
 - Email, dated April 22, 2013, *CE-SPA-PFNW-2013-001, Rev 0, CE-2 PFNW to 200 West.*
 - Nuclear Safety deliverables received from RL in April include:
 - Letter, 13- NSD-0001-RL, dated April 1, 2013, *Submittal of the Annual Update to the 105-K West (KW) Basin Safety Basis Documents.*
 - Letter, 13-NSD-0003-RL REISSUE, dated April 16, 2013, *Re-Transmittal of the Annual Update to the CH2M HILL Plateau Remediation Company (CHPRC) Safety Management Programs (SMP) Documented Safety Analysis (DSA).*
 - Letter, 13-NSD-0011-RL, dated April 19, 2013, *Transmittal of the 2013 Annual Update of the Fast Flux Test Facility (FFTF) Safety Basis and Unreviewed Safety Question (USQ) Determination Summary.*
 - Letter, 13-NSD-0012-RL, dated April 22, 2013, *Transmittal of the Waste Encapsulation and Storage Facility (WESF) 2012 Safety Basis Update, Annual Unreviewed Safety Question (USQ) Report, and List of Safety Basis Documents.*
 - Email, dated April 22, 2013, *CE-SPA-PFNW-2013-001, Rev 0, CE-2 PFNW to 200 West*
 - Nuclear Safety deliverables from other contractors in April include:
 - Letter, MSA-1301147, dated April 4, 2013, *Causal Analysis Completion and Corrective Action Plan for the Sanitary Fire Water Systems.*
- o Performance Assurance and Quality Assurance
 - Supporting Leadership Development Initiative.
 - Drafted and issued for review the annual update for PRC-MP-MS-003, *Integrated Safety*

- Management System/Environmental Management System Description.*
- Performing cause evaluation of 100KW procurement of fire protection components.
 - o Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
 - 329 Conditions Reports were screened in April:
 - 0 Significant
 - 3 Adverse
 - 115 Track Until Fixed (TUF)
 - 62 Trend Only (TO)
 - 146 Opportunity for Improvement (OFI)
 - 3 Screened Out (factually inaccurate, duplicative of existing CRs)
 - Apparent Cause Evaluation support was provided for the following issues:
 - Incorporation of RL approvals in Released SAR.
 - Accumulation of significant material and waste inventory at SGRP.
 - KW Annex Fire Sprinkler design procurement.
 - The quarterly Trend Working Group meeting was conducted. Current issues of concern were discussed and two cause evaluations were reviewed for potential commonalities across the projects.
 - A revision to PRC-PRO-QA-24741, *Performance Analysis*, was published.
 - Continued evaluations of completed management assessments, selected worksite assessment activities, and provided specific mentoring and feedback to assessors and responsible managers. Feedback was provided to help improve the quality, including clarity and readability of future reports. In addition, coached team involved in report development to help them better define the purpose and scope of the activity perform and ensure the report was more impactful in describing the results and any recommendations.
 - Completed surveillance planning for 10 CFR 835 triennial assessment of Subpart C, Standards for Internal and External Exposure, SHS&Q-2013-SURV-10694.
 - Re-evaluated the assessment program related issue (CR-2012-2306) from the NSPEB review of SHS&Q. Reaffirmed the adequacy of the management assessment report evaluation criteria of PRC-PRO-QA-246, *Management Assessment*. Established guidelines for each of the eight criteria used to perform evaluations. An independent review has been chartered to provide a new perspective of the process, implementation and possible improvements.
 - Completed evaluations of changes proposed to PRO-40091 and 40099 to address issues identified in CRRS and comments from the PTS organization to improve clarity, usability, and remove actions, which are performed as a part of other documented processes.
 - o Quality Assurance accomplishments:
 - Completed Annual update to *CHPRC Quality Assurance Plan*, PRC-QA-MP-599.
 - Assisted Mission Support Alliance, LLC, and Quality Assurance in the development of an inspection strategy to provide assurance of acceptable performance by the new calibration services contractor.
 - Provided continued support to the CHPRC Commercial Grade Dedication (CGD) quality improvement team in development and review of a new CGD process form. This form is now out for company-wide review.
 - Provided support to the Project Technical Support organization in the development of contract language for a potential Mentor/Protégé statement of work to perform low hazard Davis/Bacon related construction and fabrication.
 - Developed a Suspect/Counterfeit Items workshop titled “Is your Safety Suspect or Counterfeit’ to be presented at the OSHA Region X VPP Conference in Spokane in May.

- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium CAP products. Developed cost estimates and implementation plan for Be characterization process.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP.
 - o Working funding issues with RL
Issue: Accident & Injury Reduction.
Status: Investigating recent recordable injuries to determine cause and prevention.
Action: Working closely with Projects regarding injury and accident prevention.

Environmental Program and Strategic Planning (EP&SP)

- **Environmental Protection**
 - o **Compliance Item Status – Asbestos**
 - Met with EPA/Ecology to discuss proposed revisions to the Central Plateau Decommissioning documentation (Action Memo, DOE/RL-2010-22 and Remedial Action Work Plan, DOE/RL-2010-33). Changes incorporate current agreements on applicability of NESHAP to asbestos-containing structure demolitions. Proposed revisions are under consideration by EPA.
 - Developed a draft timeline of events associated with asbestos-containing structure demolition. Submitted draft timeline for review by CHPRC and RL staff.
 - o **Central Waste Complex Box and WRAP Drum Leak Enforcement**
 - Discussions continue between CHPRC, RL, EPA and Ecology to resolve compliance allegations. In particular, EPA and Ecology have discussed permitting approaches to incorporate or close various units using the current RCRA permit.
- **Environmental Management System**
 - o The recertification of the ISO 14001 EMS process has been implemented with a series of communications and an internal pre-audit. The pre-audit was completed during April 8-11, 2013. The annual surveillance audit is now set for June 25-26, 2013.
- **Environmental Compliance & Quality Assurance (ECQA)**
 - o **Assessments Completed in April**
 - Environmental Compliance Inspection of Emergency Planning and Community Right-to-know (EPCRA) Requirements identified two findings and three OFI's. The findings included:
 1. Project/Facility inputs to the annual EPCRA Reports are not being retained as records (Same finding submitted to four different projects/facilities).
 2. Training for the Facility Chemical Custodian (FCC) function has not been established.
 - Independent Assessment of CERCLA Removal Action: S&GRP Purgewater Management resulted in six findings and three OFI's. The findings included:
 1. Purgewater Modular Storage Units logbook entries do not comply with Project documentation (i.e. project operating procedures) requirements.
 2. CERCLA Waste Storage Area Inspection Checklists and Purge Water tracking forms do not comply with Project procedure data and information documentation requirements.
 3. Project is missing documentation demonstrating that required Purgewater management activities have been performed.
 4. Project records are not managed in accordance with CHPRC records management process requirements.
 5. List of Active Container Storage Areas has not been maintained as an effective

- management tool in supporting performance of routine CERCLA Waste Container Storage Area inspections.
6. Individual Training Plans for S&GRP personnel do not list required Hazardous Waste Site Training.
- QA Surveillance of the work activities supporting the 105KW Qualified Process: Sludge Removal End-Point Criteria identified two findings and three OFI's. The findings included:
 1. Safeguards & Security are not required to review and sign the documentation identified in Attachment D as required by Step 6.3 of work document 1K-12-06825/W WCN #1.
 2. The STP Project has not performed a management assessment of the 105KW Qualified Process as required by the Quality Assurance Project Plan (QAPjP).
 - QA Surveillance of EDM Software Management of EDM Applications resulted in three Findings and two OFI's. The findings included:
 1. Software documentation is missing the required Software Subject Matter Expert (SSME) approval.
 2. Software was used prior to obtaining required approvals.
 3. Employees had not completed the required training prior to performing the work.
 - Management Assessment of the Waste Information Data System (WIDS) resulted in one Finding and two OFI's. The findings included:
 1. Monthly status reports required by TPA-MP-14 are not being written and issued.
 - MOP of AOP Certification Support resulted in no issues.
 - MOP of Ops Trailer MO-191 for the Pump & Treat discovered that trailer has not been cleaned out but no CRRS items were generated.
 - MOP of Well 199-H4-14 Walkdown resulted in no issues identified.
- o **Assessments in Process**
 - Independent Assessment of the CHPRC Environmental Management System (EMS) was completed and the final report to be released by May 10, 2013.
 - Environmental Compliance Inspection of NEPA and State NEPA are in the planning process. Completion date scheduled for May 31, 2013.
 - Planning initiated on the Independent Assessment of RCRA implementation and is to be completed by August 31, 2013.
 - o **Assessments upcoming this Quarter**
 - IA of External EMS NSF Audit to be completed by August 2013.
 - ECI of Site Walkdown follow-up.
 - QA Surveillance of the Management of Radioactive Waste.
 - ECI of TSCA/PCB requirements.
 - ECI of Cultural and Historical Resource Management.
 - Management Assessment of Risk and Modeling Integration.

Business Services

- **Acquisition Planning**
 - o Developed list of all future potential subcontract scopes of work. Worked with Strategic Planning to develop risk ranking criteria approach. Ranked all potential subcontract scopes by associated risk to CHPRC to update option period subcontracting strategy including small business contracting plan.
- **Facilities and Property Management**
 - o The FY2013 physical inventory of Government property commenced on March 4, 2013. To date, 67.46% of the items have been accounted for. Five (5) portable generators are now reported as a suspected theft, counting as inventory campaign losses. The Benton County Sheriff's Office is conducting the investigation.

- **Finance**
 - Received approval from RL for FY2013 Forward Pricing Rates.
 - Initiated process for development of FY2014 planning rates.
 - Completed an overhead pool variance liquidation passback. Overhead pools were under-liquidated as a result of Sequestration and the corresponding reduction in funding/planned costs for the balance of the year.
- **Procurement**
 - For the month of April 2013, the Procurement group awarded 18 new contracts with a total value of \$886K, amended 119 existing contracts with a total value of \$7.2M, for a grand total of \$8.1M. Additionally, awarded 179 new material Purchase Orders valued at \$134K to support ongoing project objectives.
 - At the end of the first 55 months of the PRC, procurement volume has been significant; \$2.05B in contract activity has been recorded with approximately 48.8%, or \$1.0B, in awards to small businesses. This includes 6,144 contract releases, 14,853 Purchase Orders, and 185,145 P-Card transactions.
 - During the month of April, CHPRC hosted the Procurement Evaluation and Reengineering Review Team (PERT) for the procurement system review. The out-briefing from the PERT team on April 18, 2013, rated the system, files, and processes all acceptable with no significant findings and only a couple of areas needing improvement for CHPRC to consider. One of the strengths mentioned was the electronic file documentation structure and organization, which is outstanding considering our last PERT review in 2010, showed this was an area that needed improvement. Team members felt they were readily able to navigate our file documentation. The team was also complimentary about our relationship with project management and our technical representatives. Strength was noted in the new procurement procedures and use of the Functional Checklist for project and subject matter expert involvement. The areas needing improvement are being considered and will be addressed once the final report is received.

Prime Contract and Project Integration (PC&PI)

- **Contract Compliance & Change Management (CC&CM)**
 - In April, Prime Contracts received and processed three contract modifications (numbers 266, 267, and 268) from RL. Correspondence Review received and determined the distribution for 25 incoming letters/documents from RL and the Prime Contracts Manager reviewed 32 outgoing correspondence packages.
 - During April, Contract Compliance and Change Management (CC&CM) worked with the CHPRC Projects and Functional organizations to develop an expanded definition of the impacts of Sequestration.
 - Representatives of the Decommissioning, Waste, Fuels and Remediation Services (DWF&RS) Project and CC&CM met with RL and reached tentative agreement on CHPRC's proposed 100-K Area Waste Site Tracking Concept. This concept is intended to track 100-K waste site remediation work against Contract scope and be utilized to define potential future contract changes. CHPRC took the action to formally submit their proposal to RL for their acceptance.
 - Prime Contracts worked with the Soil and Groundwater Remediation (S&GWR) Project to submit a formal notification of constructive change to RL on April 3, 2013 associated with increased monitoring of aquifer tubes installed along the Columbia River shoreline.
 - The Estimating & Program Support activities for the month are described below:
 - **Sludge Treatment Project (STP)**
 - As noted in prior reports, Estimating continued their support of the project by reviewing change orders and estimated cost for design changes associated with the 100K Area

Annex construction. A portion of the effort shifted focus to assist in determining the effects of Sequestration related suspension of work and demobilization of the construction subcontractor.

- Continued efforts to develop an updated project cost estimate in support of the planned Critical Decision 2/3 Review of the project by RL.
- **PFP Closure Project**
 - Continued to support preparations and advanced planning for the FY 2014 PMB updates specific to demolition work scope elements. The focus of the effort is on refining the technical approach and the supporting basis. Estimating participated in a value engineering session that examined work process and approach to demolition.
- **S&GW Project**
 - CHPRC's Change Proposal in response to Change Order #221, "100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network", which was suspended on March 4, 2013, due to the implementation of Sequestration, was finalized based on cost incurred prior to halting work and submitted to RL April 11, 2013.
 - 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, which is on the DOE-HQ 180 tracking list, is due to RL 45 days (June 3, 2013) from receipt of the change order. Efforts on preparation of the related Change Proposal have been initiated.
 - During April, Estimating received a request from RL 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*. RL's information request is in support of their performing a TINA sweep of the proposal, which was mutually definitized by PRC Modification 182 in August 2011.
- **Safety, Health, Security, & Quality (SHS&Q)**
 - CHPRC's Change Proposal in response to prospective Change Order #206, "Hanford Radiological Health and Safety Document, Revision 1", was finalized and submitted to RL on April 11, 2013.
 - A rough-order-magnitude estimate was developed to capture the projected cost of conducting a Beryllium pilot assessment and characterization effort related to the phase II corrective actions of the site's overall program.
- **Project Technical Services/DWF&RS**
 - Estimating developed a preliminary estimate of an expansion of Trench 94 that is needed by Puget Sound Naval Shipyard (PSNS) to accommodate shipment of decommissioned U.S. Navy vessel reactor compartments. The estimate will be reviewed and released to PSNS in May for potential assignment of a Request for Service in FY2014.
- o In conjunction with CHPRC EVMS Compliance and Reporting, Estimating completed development and began the roll out of new estimating template and WBS/BOE templates intended to be utilized across CHPRC as a standard template for development of new estimates. The new templates are already in use in the field.
- o Activities associated with Sage/Timberline estimating software and estimating system administration included the periodic update of Hanford Site Stabilization Agreement (HSSA) rates for local construction craft, and identification/correction of several conversion factors in deactivation assemblies.

- **Baseline Management & Reporting**
 - Incorporated Sequestration impacts into the PMB
 - Provided reports to RL regarding furlough tracking
 - Developed draft schedules for annual PMB update
- **Strategic Planning and Integration**
 - **Interface Management**
 - Worked with CHPRC Projects and MSA to revise and finalize an update to ICD HNF-46148, Rev. 2, *Water System Services*
 - Worked with Soil & Groundwater and PNNL to finalize and issue AIA HNF-54767, Rev. 0, *Hanford Site Well Access*
 - Worked with Procurement and with the Soil & Groundwater Project to provide additional clarification on the definitions of Managed Task and Loaned Labor services in the OHC Statement of Work template.
 - Worked with CHPRC Projects and MSA on the Sequestration impacts review and ongoing impacts analysis on J-3 Matrix, Interface 34 *Biological Control* (e.g. tumbleweed situation).
 - Communicated with 100K, MSA Fleet, and WRPS to facilitate the loaning of Water Truck - E-38099/68C07118 from 100K to WRPS.
 - Worked with Surveillance & Maintenance to provide a write up to WRPS for workers concerns on, “growing contamination area near the 200 East Hill (Route 4S)”. This is CHPRC WID Site UPR-600-12. This item is on the April 29 CIB agenda for OHC discussion.
 - Supported CHPRC Safety, OHCs, and RL with resolution of the STOP work invoked on April 1 by MSA on fixed ladder inspections and the use of fixed ladders found to be deficient to the inspection criteria stipulated in 29 CFR 1910.27. STOP Work was lifted on April 8.
 - Reviewed and providing feedback on MSC-PRO-54133, *Facility Transfers to MSA* and Flowcharts 1 through 8 that outline the process of facility transfers from identification to changes in the J.13 Hanford Site Structure List.
 - Revising PRC-PRO-MS-10472, Rev. 1, Chg. 1, *Interface Management*, to reflect current work scope, responsibilities, and process. Anticipate completion May 15, 2013.
 - Reviewed thirteen Section J.13 Hanford Site Structures List anomalies and submitted to RL for review and disposition. The identified outcomes are as follows:
 - Ten of the anomalies were submitted with appropriate justification to activate revisions to the J.13 table via a contract modification.
 - Three of the anomalies were identified as WIDS Sites and were tabled until further investigation and consideration to remove from J.13 table and place in the J.14 Hanford Waste Site Assignment List. This consideration would include budget impacts, OHC acceptance, etc.

Project Technical Services (PTS)

- **Central Engineering (CE)**
 - Central Engineering (CE) continues to provide leadership and support to the Engineered Container Retrieval and Transfer System (ECRTS) Formal Design Review and Project Review Board (PRB). CE is chairing and participating in the Formal Design Review. Several CE staff members have been embedded into the ECRTS design process to streamline the review and acceptance of changes generated by the ECRTS design team.
 - CE continues preparation for June 4 kick-off the ECRTS Critical Decision (CD)-3 Project Review Board (PRB). The PRB will evaluate the readiness for the ECRTS Project to submit their

- CD-3 package to the Department of Energy. CE will chair the PRB; other PTS staff members will be participating as a part of the PRB.
- o CE continues the independent review of STP I&C deliverables for the Delta Design Review. I&C design changes between Final Design Issue and the initial Delta Design Review Package added multiplexers and smart relays so that wire counts and potential troubleshooting is reduced during construction. These changes were not fully incorporated in the affected I&C deliverables. CE is independently reviewing the STP I&C deliverables as they are completed to ensure design meets the CD2/3 requirements.
 - o CE is supporting Soil & Groundwater (S&GW) project for the structural evaluation supporting removal of the HX effluent line. CE completed an evaluation of the 100HX structure to support justification for hanging 600 lbs. from the frame beam at column line 9.
 - o CE prepared and performed checks for arc flash calculation documents. Three arc flash calculations were prepared and issued for WCH facilities (ERDF EMF and OPS center, ERDF TMF site and Building 3760) and two arc flash calculations were prepared and issued for review for CHPRC facilities at the TEDF site (Waste Collection Sump and RTS site). A revision to HNF-18887 has been prepared for the WESF facilities and is currently in check.
 - o CE is providing consultation and assistance to MSA Fleet Services in the evaluation of potential weld defects and subsequent repair associated with a Grove Rough Terrain, 75-ton crane. In addition, welding procedures needed to perform the repair are being prepared.
 - o CE is supporting the completion of an Apparent Cause Evaluation related to CR-2013-0699, The Commitment to Procure the KW Annex Fire Sprinkler System as General Service Quality Level 2 was not included in the Design. Personnel were interviewed and documents were reviewed during April. A report is expected to be completed the week of May 20.
 - o CE provided input and recommendations to NsTec Engineering with respect to the establishment of meaningful company-level and organizational performance engineering metrics. Recommendations were based on feedback from the NsTec President, the Parent Oversight Observation Committee (POOC) report, and organizational structure changes that have been recently announced.
 - o CE is supporting the S&GW, 200 West Area Pump & Treat for evaluation of pipe supports (hangers) for the Utility Water (UW) system (6 in and smaller) in the Bio and Rad Buildings. The UW system is inadequately supported; several small bore (less than 3”) pipes are sagging and have no lateral bracing, when valves or pumps are turned on the pipes will vibrate excessively. The vibration and water hammer is causing breaks in the pipes. Modifications to the pipe supports were recommended; several were implemented and work is in progress on others.
 - o CE is supporting the Sludge Treatment Project in the evaluation of the pipe supports for the process equipment.
 - o CE is supporting the Solid Waste Operation project team for Trench 94 in establishing specifications and review of submittals for the soils testing process.
- **Procedures and Training**
 - o Global Harmonization System training has been added to individual training plans and personnel will begin to complete the training during their annual HGET training. Completion date for this training is December 1, 2013. Currently, CHPRC is approximately 82% complete for this training activity.
 - o The revision of the Training Implementation Matrix will be submitted to DOE-RL for approval during the week of May 13, 2013. Among other reasons for the revision is the downgrade of the CVDF facility to less than HAZCAT 3.
 - o Supported development of the CHPRC Leadership Impact Initiative strategy, plan, and training materials. Completed the initial draft of the curriculum that will be implemented for the 2-day

- PRC Leadership Impact Initiative training for all PRC managers. The next major milestone will be the development of the delivery team instruction for selected individuals.
- o Moving Training & Procedure Management on Site with Staff.
 - o Coordinated PFP Super Block Training.
 - o Developed the schedules for the inaugural “Balanced Approach to Training and Procedures” processes for the SGRP 200 West P&T and River P&T paths forward. Presentation to the project will occur on Monday, May 13, 2013.
 - o Completed development and transition to CBT format for the following CBT modules: Hearing Conservation, Asbestos Awareness, and Temperature Extremes. These modules are in the final approval process with Safety Management.
 - o Complete updates to the suite of CHPRC Training Program Descriptions by May 31, 2013.
 - **Operations Program**
 - o Supported DOE Headquarters HS-45 Scoping Visit
 - o Submitted major revision to the Pre-job/Post-job briefing procedure, allows tailoring of the pre-job briefing
 - o Completed Nuclear Maintenance Management Plan 3-year assessment of the CHPRC Calibration Program.
 - o Received RL approval for the 224B EPHA.
 - o Supported in Site Wide Protective Action Drill
 - **Project Delivery**
 - o Programmatic Accomplishments
 - Consolidating office trailer space in an effort to co-locate PTS resources to improve work place efficiencies and reduce Landlord costs.
 - Supporting the Projects by serving as SMEs on Project Review Boards and Constructability reviews.
 - Leading the development, issuance and award of new construction services contracts and processes associated with the execution of Davis-Bacon determined work scope.
 - o Field Accomplishments
 - Providing a limited number of field resources to support the lay-up of materials and equipment associated with Project work, which have been placed on hold due to Sequestration.
 - Executing a limited number of field construction and fabrication activities as a result of Sequestration (i.e., well realignments for S&GRP, fabrication of UL508 panels for PFP, construction facility PMs, etc.)
 - Continuing with the development of execution strategy, cost estimates, and SOWs associated with DWF&RS and S&GRP Davis-Bacon determined work scope (i.e., Trench 94, 2025E Building, 100K Evaporative Cooler, FFTF Roof, WESF Lower Roof, etc.)
 - Completed potholing activities for Trench 94.

Communications

- **Internal**
 - o Began production on a two-part groundwater treatment video special; published the first segment in an episode of InSite.
 - o Produced four issues of the Weekly Update including manager blogs from Vicki Bogenberger, Vice President and Chief Financial Officer; Kimberly Tebrugge, Communications Director; and Bob Popielarczyk, Soil & Groundwater Remediation.

- **External**
 - o PFP's award for respiratory safety from the Voluntary Protection Program Participants Association was featured in the EM News Flash and the Nuclear Decommissioning Report
 - o CHPRC's recent innovation in pump and treat operations – the one-switch wonder – was featured in the EM Update monthly newsletter
 - o A message from CHPRC President and Chief Executive Officer was featured in the Tri-City Herald annual Progress Edition.
 - o CHPRC was featured in the Tri-City Herald regarding updates to the Hanford furlough and the Hanford small business awards.
- **Public Involvement**
 - o Planned and implemented the public involvement process, including a public meeting, on proposed Class 2 modifications to the Hanford Facility Dangerous Waste Permit. These changes involve the Liquid Effluent Retention Facility and 200 Area Effluent Treatment Facility, and the Integrated Disposal Facility.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	18.8%
Safety, Health, Security and Quality	1.1	1.1	1.0	0.0	0.0%	0.2	16.0%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-10.6%
Business Services	1.6	1.6	1.7	0.0	0.0%	(0.1)	-6.1%
Prime Contract and Project Integration	1.6	1.6	1.5	0.0	0.0%	0.2	10.3%
Project Technical Services	0.6	0.6	0.5	0.0	0.0%	0.0	8.5%
Indirect WBS 000 Total	5.3	5.3	5.0	0.0	0.0%	0.3	5.3%

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

CM Cost Performance: (+\$0.3M/+5.3%)

Variance is within reporting thresholds.

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	0.6	0.6	0.5	0.0	0.0%	0.0	2.8%	1.0
Safety, Health, Security and Quality	7.9	7.9	7.5	0.0	0.0%	0.4	5.1%	14.3
Environmental Program and Strategic Planning	2.1	2.1	2.3	0.0	0.0%	(0.2)	-10.5%	3.9
Business Services	11.3	11.3	11.6	0.0	0.0%	(0.3)	-2.8%	20.2
Prime Contract and Project Integration	11.3	11.3	10.6	0.0	0.0%	0.7	5.9%	21.3
Project Technical Services	3.8	3.8	3.5	0.0	0.0%	0.3	8.4%	6.9
Indirect WBS 000 Total	36.9	36.9	36.1	0.0	0.0%	0.9	2.4%	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: (+\$0.9M/+2.4%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-13-007R0 – *FY2014 Base Year Shift*

