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President and Chief
Executive Officer

Monthly Performance Report

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

March 2013
CHPRC-2013-03, Rev. 0

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EXECUTIVE SUMMARY

- Removal of plutonium-contaminated process equipment continued at the Plutonium Finishing Plant (PFP), with a particular focus on removing gloveboxes and associated piping and ductwork. Efforts continued to prepare for installing gantry cranes in Rooms 235A-2 and 228B to support removal of gloveboxes from those rooms. Other progress included draining of water lines, draining of the first chemical feed line and asbestos removal. Field work on D&D of 242-Z has been deferred due to sequestration.
- The Sludge Treatment Project (STP) made significant progress on dispositioning formal design review comments on the Engineered Container Retrieval and Transport System (ECRTS) process system in support of the Critical Decision (CD) 2/3 Final Design Report. Sludge measurements in all three bays of the K West Reactor Basin are complete and measurements in the pits continue as part of maintenance of the basin. K West Annex construction activity was suspended due to sequestration.
- Soil and Groundwater Remediation Project Pump-and-Treat (P&T) Operations continued with 157.3 million gallons of groundwater treated in March for a total of 895 million gallons treated in FY2013.
- Effluent Treatment Facility (ETF) operations continued with nearly three million gallons of Basin 43 waste water processed toward the FY2013 Key Performance Goal of seven million gallons.
- CHPRC was awarded the Project Management Institute Project of the Year Award for the Hanford Groundwater Remedy Implementation for 200-ZP-1 and 100-DX Treatment Systems Capital Asset Project. The award recognizes a project team for management and delivery excellence.



Workers remove a section of piping from a glovebox at the Plutonium Finishing Plant



The Project Management Institute awarded its Project of the Year award to CHPRC

Focus on Safety

- The March 2013 President's Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security & Quality Organization and zeroed in on the hazards of Spring and combating the distractions of current events. The three main ideas for the meeting were:
 - o Remain Focused
 - o Wind Hazards
 - o Blooming Flowers and Allergies

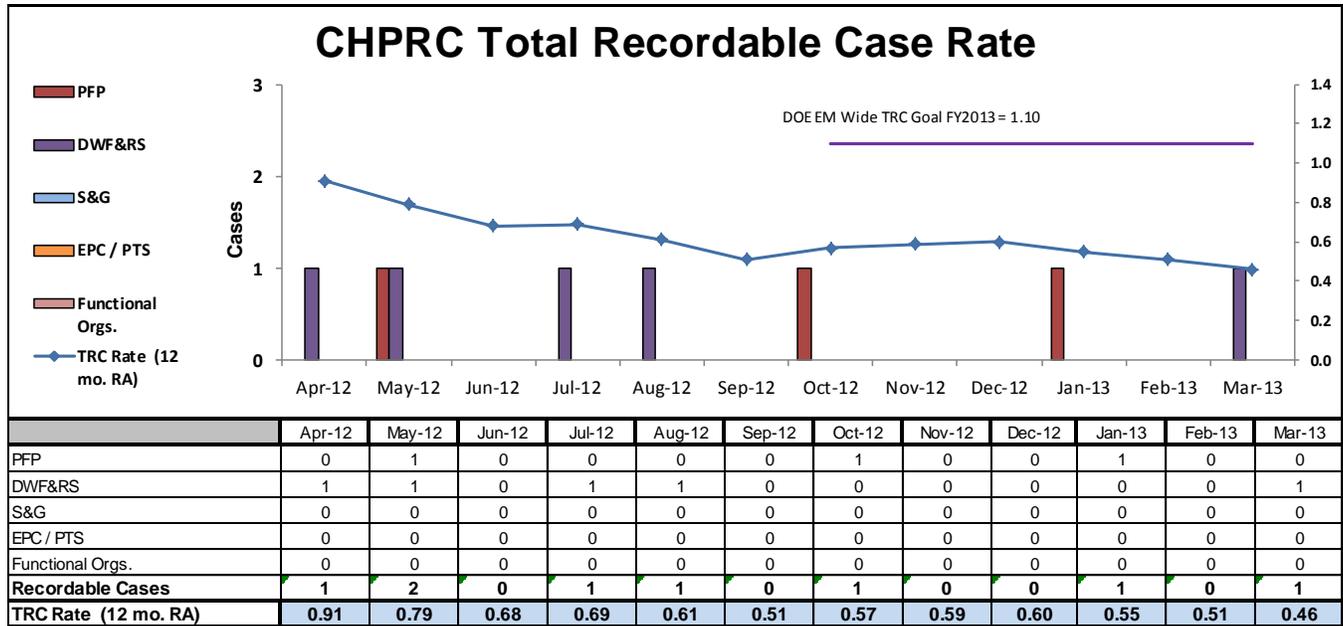
Highlighted PZAC meeting moments in March started with a safety topic on the hazards of wind. A field safety professional pointed out with gusto that this time of year it is common for wind gusts on the Hanford site to reach greater than 40 miles per hour. A review of lessons learned and implementing controls to combat the wind can protect property and reduce wind-related injuries. A physician representing the site occupational medical provider discussed the symptoms and management of anaphylaxis, which is an unusual or exaggerated allergic reaction to a foreign substance or antigen. Knowing what to look for and how to properly respond to anaphylaxis can make assisting someone in a life-threatening situation a breeze. Thoughtful discussions on the importance of remaining focused and grounded in stormy times included a review of a recent severe injury and the daunting danger of distractions. Stretch and Flex, Environmental Management System (EMS) examples of greener Spring activities, a message on the Voluntary Protection Program (VPP) tenant of Employee Involvement, and Good News Stories circulated fresh information to close the meeting. Four "*Thinking Target Zero*" bulletins were published in March to convey important environmental and occupational safety and health messages:

- o Daylight Saving Time
- o Eye Wellness
- o Tritium Exit Signs
- o BBQ Safety
- The March *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:
 - o Hand and Finger Injuries Involving Jewelry, Loose Clothing, Lanyards & Long Hair
 - o National Jewish Health Beryllium Worker Study
 - o Migratory Treaty Bird Act Nesting Season
 - o CHPRC VPP Pocket Guide Update
 - o Security: Prohibited Articles - Alcohol
 - o PPS: PRC Procedure System
 - o New CHPRC Personal Protection Standard
 - o Security: New Hours of Operation for Rattlesnake Barricade
 - o Proper Disposal of Universal Waste Batteries
 - o Weekly Staples: Injury/Illness Summaries, Close Calls, and the VPP Weekly Spotlight
 - o The VPP BINGO interactive game was completed with 120 winners!

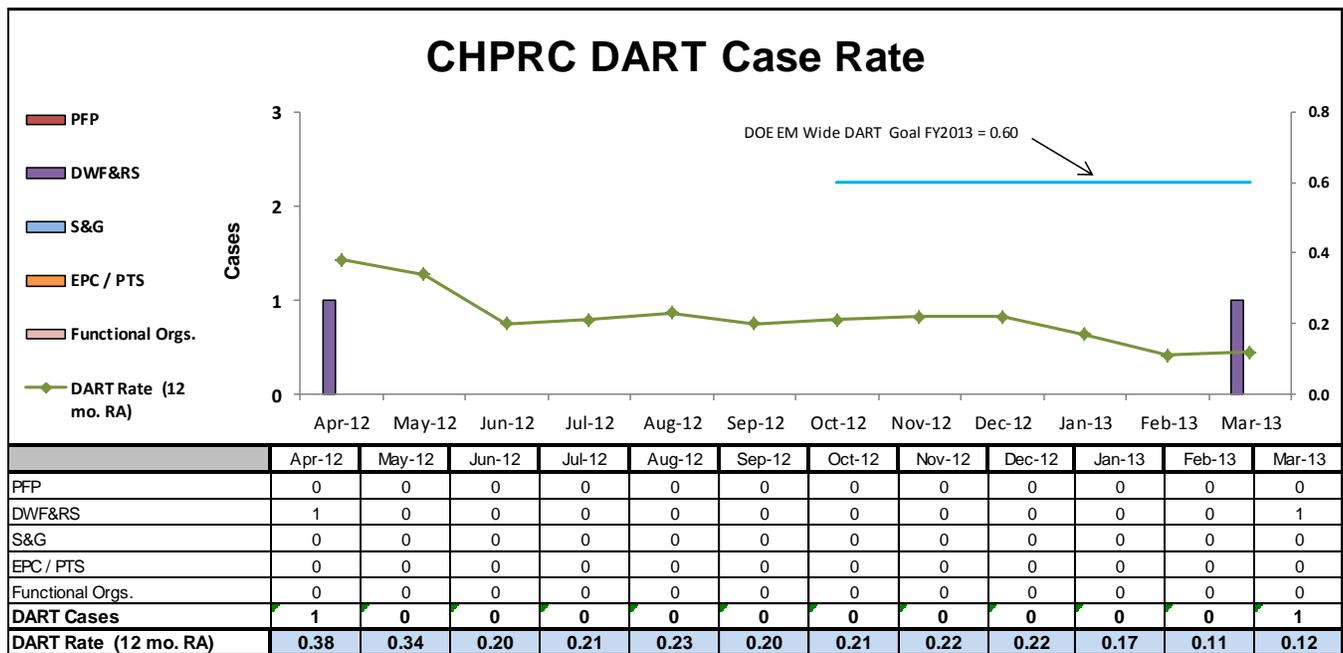


TARGET ZERO PERFORMANCE March 2013

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



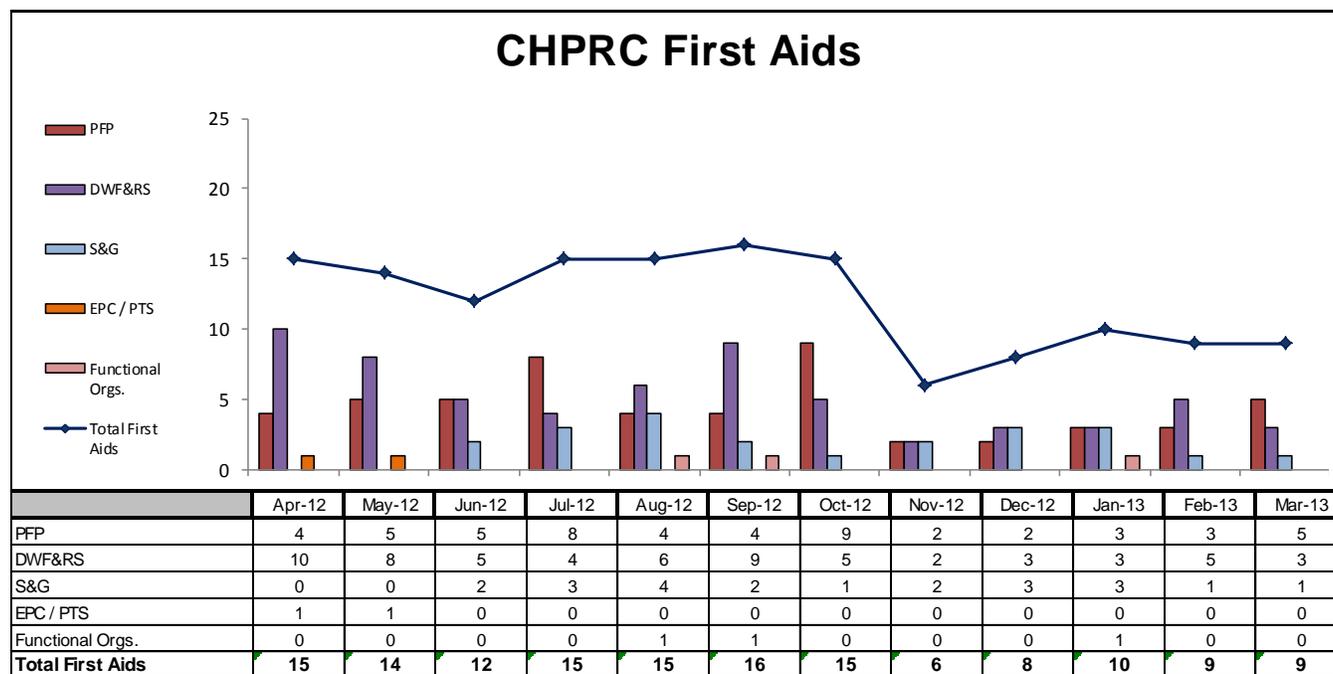
Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.46 is based upon eight recordable injuries. There was one Recordable case in March 2013. There are six cases currently under review. To date hours since last Recordable Case = 159,974.



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 cases (1 Restricted, 1 Days Away Case). There was one DART case for March. To date hours since last DART Case = 159,974.

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 nine first-aid cases in March 2013. The biggest contributors were four sprains / strains / pains from awkward positions or overexertion, two contusions, two lacerations, and one potential chemical exposure.

KEY ACCOMPLISHMENTS

Projects

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

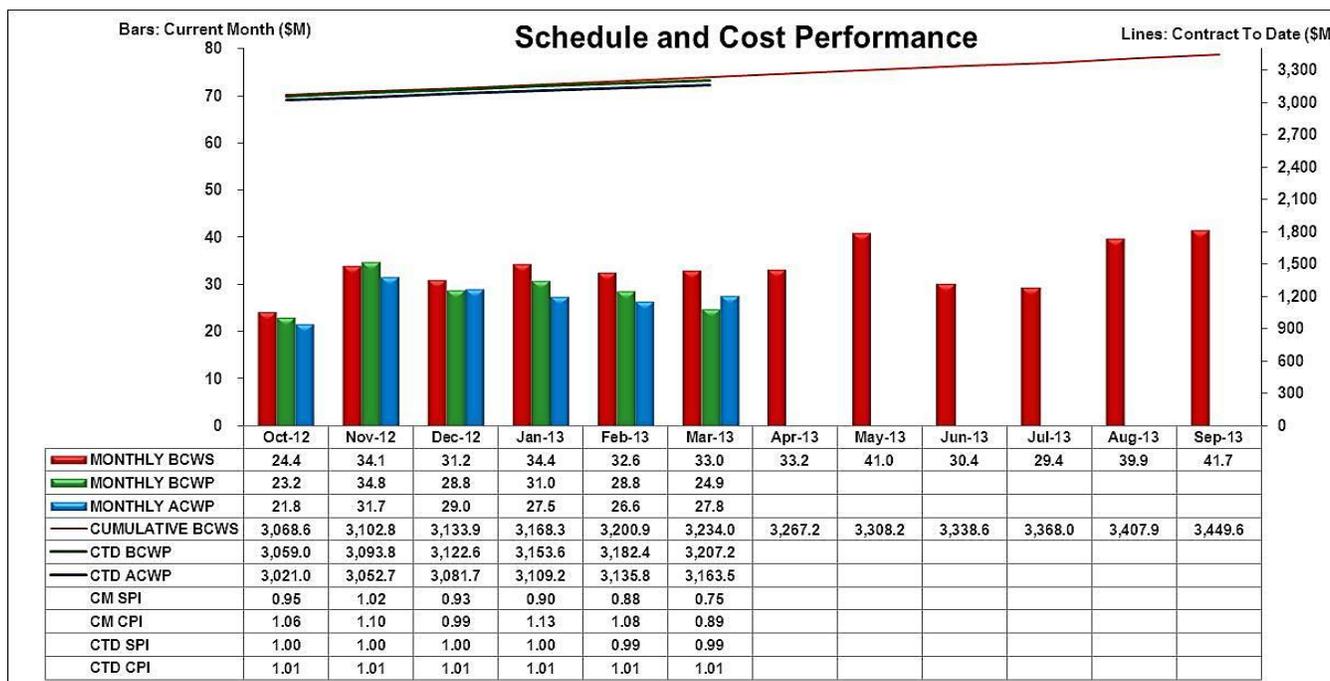
Project Services and Support

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

MAJOR ISSUES

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

EARNED VALUE MANAGEMENT



	\$M					\$M					\$M				
	Current Period			Contract to Date		Contract to Date			Contract Period						
	Budgeted Cost	Actual Cost	Variance	Budgeted Cost	Actual Cost	Variance	BAC	EAC	Variance						
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance		
RL-0011 - Nuclear Materials Stab & Disp PFP	9.6	4.8	8.8	(4.8)	(4.1)	588.2	573.0	590.8	(15.2)	(17.8)	940.3	1,009.8	(69.6)		
RL-0012 - SNF Stabilization & Disposition	5.4	3.5	4.6	(1.8)	(1.0)	364.7	355.1	356.3	(9.7)	(1.2)	606.5	633.1	(26.5)		
RL-0013 - Solid Waste Stab & Disposition	7.3	7.2	6.4	(0.1)	0.8	743.7	743.2	730.8	(0.4)	12.4	1,344.5	1,329.5	15.0		
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.4	7.7	6.7	(0.7)	1.0	854.4	853.1	852.3	(1.2)	0.8	1,492.5	1,491.3	1.1		
RL-0040 - Nuc Fac D&D - Remainder	1.1	0.9	0.7	(0.2)	0.2	370.1	369.9	342.3	(0.2)	27.6	488.7	461.0	27.7		
RL-0041 - Nuc Fac D&D - RC Closure Project	1.1	0.5	0.4	(0.6)	0.2	298.2	298.2	278.1	(0.0)	20.0	467.5	449.7	17.8		
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.2	0.0	0.0	14.8	14.8	12.9	0.0	1.9	26.5	24.6	2.0		
(Numbers are rounded to the nearest \$0.1M)		Total	33.0	24.9	27.8	(8.2)	(2.9)	3,234.0	3,207.3	3,163.5	(26.7)	43.7	5,366.5	5,399.0	(32.5)

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of -\$32.5M with \$85.2M of Management Reserve for a total positive variance of \$52.7M.

Overall, the project was 24.7% behind schedule and 11.8% over cost in March. For FY2013, the project is 9.7% behind schedule and 4.1% under cost. Schedule performance in March was primarily due to:

- RL-0011 – Delayed PRF work efforts impacted by PRF canyon crane failure, process vacuum and transfer line removal efforts impacted by a management stop work associated with chemical lines and reformed field teams, 242-Z D&D field work deferred due to sequestration, a management stop work on OV/AG/HE cartridges, temporary suspension of scaffold work packages, facility criticality horn testing, performance affected by IROF notices, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn

down of overtime by bargaining unit personnel. The majority of the discrete D&D work scope has either not completed pre-March 2013 work scope or has been deferred due to sequestration.

- RL-0012 – Suspension of Annex construction due to funding cuts resulting from Sequestration. The project is forecasting a startup in FY2014.
- RL-0030 – Early completion of the NR-2 barrier work that was planned in FY2013 but completed in FY2011 and FY2012. Other activities contributing to the variance are well drilling delays in H and K areas pending decisions on BC-5 wells and chemical procurements for the 200W P&T that were level loaded in the baseline but 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 March was primarily attributed to realized efficiencies in multiple projects necessary to meet project funding requirements. Realized efficiencies were partially offset by:

- RL-0011 – Unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, 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 suspension of Annex Construction and the work required to lay up the construction site/project for an extended period of inactivity.

FUNDING ANALYSIS

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

PBS	Project	FY2013		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	116.2	110.9	5.3
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	61.8	60.7	1.1
RL-0013	Waste and Fuels Management Project	82.1	80.5	1.5
RL-0030	Soil, Groundwater and Vadose Zone Remediation	89.9	88.4	1.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	12.9	12.3	0.7
RL-0041	Nuclear Facility D&D, River Corridor	9.7	9.2	0.5
RL-0042	Fast Flux Test Facility Closure	2.4	2.2	0.1
Total Base:		375.0	364.3	10.8

Funds/Variance Analysis:

FY2013 projected funding was reduced in the month of March from \$404.8M to \$375M based on reductions required by the sequestration in the amount of \$29.8M, per guidance received from RL dated March 4, 2013.

BASELINE CHANGE REQUESTS

In March 2013, CHPRC approved and implemented six (6) BCRs. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for March 2013		
BCR-012-13-001R0	<i>Change Order (CO) 186, Garnet Filter Media Removal Phase I</i>	This BCR incorporates CO 186, Contract Mod 256 and includes activities and estimated cost to perform four major tasks as a part of pre-conceptual planning to include engineering and test facility activities for development of retrieval options of the garnet filter media from the three filter vessels, placement of the media in a container, shipment to T Plant, and safe and compliant interim storage.
BCR-013-13-002R0	<i>Realized Risk on WSD-121, WSD-086, WSD-020A, and WSD-135</i>	BCR is to 1) repair the Effluent Treatment Plant (ETF) heat exchanger, 2) remove contaminated water from the LERF Basins.
BCR-030-13-005R0	<i>Decommissioning of Well 299-E25-236</i>	Corrosion in the casing on well 299-E25-236 was discovered. As a resource protection well, the well must be designed, constructed, and maintained in a manner that prevents degradation of groundwater (WAC-173-160-400). Since the well can no longer meet this requirement, it must be decommissioned.
BCR-PRC-13-005R0	<i>FY2013 Sequestration</i>	This BCR is in response to guidance received from Department of Energy Richland Operations Office (RL) to implement actions necessary to revise planned fiscal year (FY) 2013 spending due to the impacts of reduced funding required by Sequestration, 13-PRO-0196.
BCRA-030-13-009R0	<i>Implement TPA Change M-85-13-01</i>	This BCR implements a date change for TPA Change Notice M-85-13-01 (March 31, 2013 to April 30, 2013).
BCRA-PRC-13-006R0	<i>Fee/Contract Alignment</i>	This BCR aligns Fee with the Contract Table B.4-1 Total.

Overall, the contract period Performance Measurement Baseline budget increased \$998K in March 2013.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
BCR-012-13-001R0	<i>Change Order (CO) 186, Garnet Filter Media Removal Phase I</i>	2013	\$36K Add
BCR-013-13-002R0	<i>Realized Risk on WSD-121, WSD-086, WSD-020A, and WSD-135</i>	2013	\$400K Drawdown
BCR-030-13-005R0	<i>Decommissioning of Well 299-E25-236</i>	2015	\$1K Add
(\$363K) of Management Reserve net change in March 2013.			

Fee Activity

Overall, the contract period Fee budget decreased \$8,835K in March 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 Estimated Contract Price in decreased by \$8,199K March 2013. The PMB values of change requests processed in March 2013 are summarized by fiscal year in the tables below (dollars in thousands):

March 2013 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Total PMB
February 2013 Estimate									
PMB	653,426	960,017	1,002,105	428,688	404,804	3,449,040	1,916,480	5,365,520	5,365,520
MR	0	0	0	0	3,215	3,215	82,366	85,581	85,581
Fee	39,712	48,772	32,322	17,023	12,001	149,830	86,698	236,528	236,528
Total	693,138	1,008,790	1,034,427	445,711	420,019	3,602,085	2,085,544	5,687,628	5,687,628
March 2013 Change									
PMB									
Change to PMB	0	0	0	0	582	582	417	998	998
MR									
Change to MR	0	0	0	0	-384	-384	22	-362	-362
Fee									
Change to Fee	0	0	0	0	1,112	1,112	-9,947	-8,835	-8,835
Total Change	0	0	0	0	1,309	1,309	-9,508	-8,199	-8,199
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

Changes to/Utilization of Management Reserve in March 2013

	FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
February 2013 MR Totals								
RL-0011	0	0	0	0	1,100	1,100	20,747	21,847
RL-0012	0	0	0	0	1,017	1,017	14,498	15,515
RL-0013	0	0	0	0	400	400	10,238	10,638
RL-0030	0	0	0	0	168	168	14,660	14,828
RL-0040	0	0	0	0	80	80	7,858	7,938
RL-0041	0	0	0	0	400	400	13,980	14,380
RL-0042	0	0	0	0	50	50	385	435
Total	0	0	0	0	3,215	3,215	82,366	85,581
March 2013 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	36	36	0	36
RL-0013	0	0	0	0	-399	-399	0	-399
RL-0030	0	0	0	0	-21	-21	22	1
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	-384	-384	22	-362
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

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 -3/31/2013				Planned Subcontracting*	\$2,524,483,195
Reporting Category				Contract-to-date awards	\$2,049,980,443
				Goal	Bal remaining to award = \$474,502,752
	\$	%	%	Goal award \$	Bal to goal \$
SB	\$1,002,798,024	48.92%	49.30%	\$1,244,570,215	\$241,772,191
SDB	\$178,569,773	8.71%	8.20%	\$207,007,622	\$28,437,849
SWOB	\$197,809,572	9.65%	7.50%	\$189,336,240	(\$8,473,333)
HUB	\$45,988,022	2.24%	2.20%	\$55,538,630	\$9,550,609
VOSB	\$114,237,827	5.57%	3.50%	\$88,356,912	(\$25,880,915)
SDVO	\$54,553,348	2.66%	1.30%	\$32,818,282	(\$21,735,066)
NAB	\$29,918,395	1.46%	N/A	* 10-year subcontracting projection	
Large	\$554,524,833	27.05%	N/A		
GOVT	\$2,066,520	0.10%	N/A	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$487,065,196	23.76%	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	\$3,197,755	0.16%	N/A	17% requirement:	\$965,486,077
FOREIGN	\$235,796	0.01%	N/A	SB Awarded:	\$1,002,798,024
Total	\$2,049,980,443	100.00%	N/A	Balance to Requirement:	(\$37,311,947)

Notes:

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



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

March 2013
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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	73 ft	17,345 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	- m ³	37 m ³
TRU/TRU-M Shipped	2 m ³	1,173 m ³
LLW/MLLW Shipped	61 m ³	4,004 m ³

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was below plan for the month. Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. The total gloveboxes removed to date remains at 77.6 percent complete. The Room 232 stair and landing and associated Room 235A-3 mezzanine were removed. 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 73 feet of asbestos.
- Draining of the first chemical feed line was completed and lessons learned incorporated into the existing work package.
- During the inspection of the canyon crane hoist belt drive system, it was found that the newly installed belt was badly damaged and that the motor stub shaft and sprocket have moved allowing the motor sprocket to come into contact with the metal belt cover. Parts of the belt drive system were removed and lowered to the second floor mezzanine for inspection and measurement in support of fabrication of replacement parts.
- The engineering review of the Newport News Shipbuilding report associated with the PRF Crane was completed and the report distributed to management. Engineering has evaluated the recommendations in the report and will present the results to management.
- Significant progress has been made on the removal and seal out of equipment from the 1st east gallery glovebox. Removal of the equipment from the glovebox wall is nearly complete.
- Work on the MT gloveboxes has been deferred due to impacts from workforce restructuring associated with sequestration actions.
- Field work on the D&D 242-Z project has been deferred, due to sequestration. Work that was to start this fiscal year is forecast to start in April 2014, when it is anticipated a field team will become available.

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	0	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	5	54	<ul style="list-style-type: none"> • 3/14/2013 – Employee experienced neck sprain/strain (23026) • 3/18/2013 – Employee experienced left index finger cut (23029) • 3/21/2013 – Employee experienced contusion to back of right hand (23032) • 3/25/2013 – Employee experienced irritation of right ankle (23036) • 3/25/2013 – Employee experienced pain in wright hand/wrist (23037)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- The 2013 update to the D&D DSA and TSRs was transmitted to DOE-RL for approval. The update includes provisions to allow movement of high mass gloveboxes out of PFP and into large Type “A” shipping containers. The update includes recognition that filters in Filter Rooms FR-313 and 314 have been replaced, and also identifies that FR-312 and FR-315 have reached their 10-year normal use life span and future use will be limited to “Standby” status.
- 291-Z Exhaust Fan (EF) Maintenance
 - Resumed replacement of EF-5 pillow blocks, bearings and the EM-5 motor bearings
- Drafted seven new/revised preventive maintenance procedures as part of the implementation effort for the Enhanced Maintenance Plan (Rev 0)
- Completed replacement of the Filter Room 314 filters, tested, and returned to service

11.05 Disposition PFP Facility

Remote Mechanical A and C Lines (RMA/RMC)

- In Room 232, removal of the stair and landing was completed. In addition, the associated work on the mezzanine in Room 235A-3 was also completed.
- In Room 228B, the removal of miscellaneous utility interferences over gloveboxes HC-15A, HC-15B, HC-15C was completed to allow installation of gantry cranes over these gloveboxes. In addition, the removal of a process exhaust line and trap to the hydraulic booster cabinet was completed.
- In Room 235A-2, the removal of a 26” vacuum line and a process pickling line that interfered with a gantry crane installation was completed.
- In Room 227, the removal of a process transfer line between HC-227S and HC-7 was completed.

Backside Rooms (Rooms 158-172) D&D

- Room 166 Glovebox/Hood Removal
 - Commenced Phase 2 mechanical isolations
 - Reactivated HC-6 GB to prepare for pipe draining and mechanical isolations
 - Installed pipe plugs in HC-6 overflow lines
 - Drained 26-in vacuum piping into HC-6, HC-4, and Hood to prepare for piping removals
 - Removed section of 26-in vacuum piping associated with the 166 Hood set

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, 73 feet of asbestos was removed and dispositioned. A total of 17,345 feet of asbestos has been removed to date.

Chemical Mitigation

- Completed draining of the first chemical feed line
- Continued planning for draining of an additional 26 chemical feed lines.

Plutonium Reclamation Facility (PRF)

- Canyon entries were completed to prepare, inspect, and disassemble part of the crane hoist belt drive system.
- The parts from the crane hoist belt drive system were lowered to the 2nd floor mezzanine for inspection and measurement for fabrication of replacement parts.
- Parts for the repair of the crane were ordered.
- The engineering review of the Newport News Shipbuilding report was completed and the report distributed to management.

- The evaluation of recommendations in the Newport News Shipbuilding report was completed and is scheduled to be presented to management.
- Removal and seal out of the equipment from the 1st east gallery glovebox resumed.

242-Z Americium Recovery Facility

- Planning is continuing
- All field work is being suspended, until a project team is made available (approximately 2014)

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, 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 – Inspections of the belt drive system indicated that the new belt was badly damaged and that the motor stub shaft and sprocket had moved, which allowed the motor sprocket to contact the metal belt cover. As part of the modifications made by Union Crane, a belt drive system was installed for the hoist, which required extension of the motor shaft. Existing documentation for the crane does not provide any detail for the motor stub shaft extension. The hoist electric brake circuitry was inspected and a relay in the demagnetizing circuit, which functions to dissipate the magnetic field around the brake coil and allow for quicker application of the hoist brake, was determined to have failed. Failure of the relay may have allowed the electric brake to be applied to the hoist during hoist operation, resulting in higher loads on the motor stub shaft. The higher loads may have caused the stub shaft to loosen, resulting in the pulley contacting the belt cover and damage to the belt. The failed relay and associated demagnetization circuit were removed and an equivalent circuit and new transformer were installed. The electric brake was also inspected for wear and adjusted to within specifications. The motor stub shaft, bearing, and coupling were removed and inspected. The field work team removed the bearing from the stub drive shaft and, with engineering support, obtained additional measurements. Inspection indicated the obsolete rotor spline is slightly worn in certain areas. Options to retain a new bearing on the stub shaft and keep good engagement on the rotor spline were reviewed and discussed with the site machinist and craft. Material was ordered for the fabrication of a new stub shaft.

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				
PF0-003: 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. The first characterization activity under way is 243-ZA. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PF0-004, Risk of PRF Canyon D&D cost/schedule growth	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination.			Canyon entries were made and it was determined that the cause of the failed crane was a belt, and electrical components. Efforts to address the cause were complete. Additional crane impacts are being realized due to the hoist belt cover. Parts were ordered in the month of March and plan to be fabricated/installed in the month of April. All Pencil tank size reduction activities are suspended until additional repairs are complete.
PF0-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. Add addition controls to monitor and protect exhaust fans from failure.			Repairs of the EF-3 are 100% complete. Teams continued in the month of March to work on scope to further mitigate potential impacts in the future. JCO was also submitted to DOE, and discussions are still pending.
PF0-008: Unexpected High Concentration TRU Material Holdup Discovered	Utilize supplemental NDA and other characterization techniques to identify areas of concern early in the project. Discuss potential response actions and administrative controls with Safeguards and Security, and proceduralize them as needed to guide the project in responding in the event unexpected material is identified.			<u>234-5Z</u> - Planning is complete on the disposition path for the section of piping that was discovered to have higher than expected material holdup in room 264. Waste will be addressed as planned with little to no impacts to D&D work. <u>291-Z</u> - High gram piping was found in 291-Z that will require special handling. The scope is planned in the out years and will be marked as a known line to contain hold up.
PF0-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.			Notice of Change letter transmitted to DOE on February 13. Investigation completed in the month of March. The path forward, based on investigation results, has been intergraded into the field schedule, and additional meetings will be held to address lines that have little hold up in the month of April.
PF0-014: 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	
RL-011/WBS 011				
PFP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.	●	↔	Management is continuing to evaluate potential efficiencies across the PFP complex. Cost Performance is below the established target of 102% for the current fiscal month.
PRC-024 - Bargaining Unit Strike or Work Stoppage	Additional FWS have been hired and returned to the 8x9 shifts to ensure ability to get 2 dives a day when executing fresh air jobs.	●	↔	On 11/29/12, the economic package was delivered to HAMTC as part of the collective bargaining agreement (CBA) negotiation. Since that date, the project has been impacted by various bargaining unit employee actions (e.g., overtime turn down, upgraded employees' request to return to tools). The request for upgraded employees to return back to "hands on tools" primarily impacts near-term scope in RMA/RMC.
PFP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.	●	↓	Negotiations continue for 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. Planning is underway to hold another VE study for PFP in mid-April to identify additional operating/fundamental efficiencies.
PRC-061 – FY2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↓	Contractor mitigation actions included a reduction of 4 D4 crews at PFP and delayed procurement activities (e.g. the BROKK and other material and equipment), and 1 week of furloughs for personnel.

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	9.6	4.8	8.8	(4.8)	-50.3%	(4.1)	-85.3%

Numbers are rounded to the nearest \$0.1M

CM Schedule Variance: (-\$4.8M/-50.3%)

The balance is the result of delayed PRF work efforts due to PRF canyon crane failure, process line removal efforts 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, a management stop work on the use of OV/AG/HE cartridges and HEPA vacuums for nitric acid work, a temporary suspension of scaffold work packages, facility criticality horn testing, performance affected by IROF notices, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel.

CM Cost Variance: (-\$4.1M/-85.3%)

The unfavorable cost variance is primarily the result of unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, 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. Also contributing to the unfavorable variance is a payment this period for separations pay to workers affected by sequestration.

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	588.2	573.0	589.8	(15.2)	-2.6%	(17.8)	-3.1%	940.3	1,009.8	(69.5)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Variance (-\$15.2M/-2.6%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$17.8M/-3.1%)

The cost variance is within reporting thresholds.

Variance at Completion (-\$69.5M/-7.4%)

The variance at completion is primarily a result of extending level-of-effort and support services, consistent with delayed activities in support of completing TPA Milestone M-083-00A, and prior year unrecoverable costs.

Estimate at Completion (EAC)

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

The EAC changes from February to March 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	116.2	110.9	5.3

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

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

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)

March 2013
CHPRC-2013-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The RL in-process review of the Preliminary Documented Safety Analysis (PDSA) and supporting documents concluded on March 13, 2013. Comment resolution and design review incorporation is continuing and the project is preparing for proposed comment resolution meetings the first week of April.
- Following the completion of the formal design review of the Engineered Container Retrieval and Transport System (ECRTS) process system “delta design package” on February 28, 2013, the ECRTS team successfully dispositioned the 712 Review Comment Record (RCR) comments and is actively pursuing concurrence from the comment originators and incorporating comments into the design media. The schedule is to incorporate the comments by mid-April and complete the Critical Decision (CD) 2/3, Final Design Report, in late May.
- Progress continued on preparation for the Integrated Project Optimization Demonstration (IPOD), which is currently scheduled to begin in early May.
- The Maintenance and Storage Facility (MASF) electrical staff continued wiring integration of Panel ECRT-PNL-201 into the IPOD system. The wiring is approximately 60% complete.
- Updates continued to the IPOD system and panel wiring drawings. Panel 101/201 assessment reports were completed and distributed to engineering for review. In addition, the draft of the overall project test plan was completed and sent to Engineering for review.
- Personnel installed new hoses into the system that are consistent with the updated final design review. Personnel also completed upgrades to the ion exchange module (IXM) feed water system to simulate the overflow recovery water pump skid.
- Personnel set up and conducted informational evaluations of flow switches in the final design of the Sludge Transfer Storage Cask (STSC) air inlet to establish head-loss of the flow switches probes protruding into the piping system.
- Personnel performed functional evaluations of the new pipe cleaning configuration. The “pig” was more easily introduced to the piping system and had no issues of pushing the pig through the entire decant system. Personnel modified the decant pig injection tool configuration to match final design draft drawings. Updates to the drawing drafts of the pig injection apparatus are ongoing.
- Personnel also filled the preliminary design STSC decant arm float with two-part foam for STSC fabrication verification to prevent the floats from being crushed from external pressure when the cask is pressurized for transport. This is a follow-on of previous evaluations showing the sealed floats deform when exposed to external pressure. The foam filled decant arm float was dissected to verify foam coverage after being submerged in water over the weekend. The foam completely filled the float chamber with minimal voids. Overall Project Test and Demonstration Plan and the IPOD specification were sent out for peer review. Depending on the results of this evaluation, along with the previous evaluation of other methods of internally supporting the floats, the STSC will be outfitted with foam injected floats or other internal float supports so that the new float design can be demonstrated during IPOD.
- Comments were received and incorporated into the Overall Project Test and Demonstration Plan (PRC-STP-00777).
- K West Annex Construction activities early in the period focused on critical path activities including completing assembly and setting of embeds, as well as the initiation of erection of the inside formwork for construction of the north and west Annex transfer building walls. Installation of reinforcing steel will follow the completion of the inside formwork, followed by outside formwork. The concrete placement for the north and west walls is scheduled to complete in early April.
- On March 5, 2013, the contractor performing construction work at the K West Annex was notified that all fieldwork was to be immediately suspended due to sequestration funding reductions. Activities were initiated to bring the construction site to a safe and stable configuration while

construction is suspended. Demobilization of the contractor's equipment and personnel was also initiated. CHPRC and contractor project management personnel are developing a strategy for the orderly turnover of project documentation and in-process procurement materials.

- CHPRC personnel met with the contractor to review and status the current procurements, subcontracts. Direction has been provided for continuation or suspension of those subcontracts.
- CHPRC is preparing for receipt and storage of project materials, equipment, and associated documentation from the contractor. Demobilization of the contractor's construction equipment, staff, and office equipment is underway.
- The CHPRC construction support team is continuing work to develop strategy for the restart of construction in FY2014.
- The second of six Multi-Canister Overpack (MCO)-specific data packages (processing data) for MCO number H-017 (second Knock-Out Pot [KOP] MCO), was completed and released to the Office of Civilian Radioactive Waste Management (OCRWM) records March 11, 2013.
- STP received all four of the remaining MCO-specific OCRWM data packages back from the Canister Storage Building (CSB) with comments. Resolution of comments for KOP MCO #4 is underway.
- The last of the Cold Vacuum Drying Facility (CVDF) OCRWM post-use calibration packages has been reviewed for completeness and was in documentation closure with work control at the end of the reporting period.
- Completion of the KOP closeout report continues to be delayed due to resources committed to the ECRTS process equipment delta design review.
- All sludge measurements in all three bays of the K West basin are complete, with all Safeguards and Security reviews done. Sludge depth and dose measurements of K West Basin pits commenced in the Tech View Pit, with two locations measured and dosed. There are five pits with seven locations per pit (35 total locations) needing measurements.
- The STP conducted a formal decision support workshop to evaluate the need for a second sludge retrieval campaign to recover sludge remaining in the K West Basin settler tanks. The residual sludge was collected during fuel washing and preparation of the KOP material for packaging in MCOs. Retrieval scenarios and alternatives were discussed. The alternatives were evaluated by a nine member Decision Support Board (DSB) (comprised of various CHPRC subject matter experts [SMEs]) utilizing six primary criteria. The highest scoring alternative recommended by the DSB was a no-retrieval alternative, which demolishes the K West Basin using a refined process incorporating lessons learned from the K East Basin demolition campaign. The recommended option had the lowest impact on the lifecycle schedule and costs while meeting worker safety, as-low-as-reasonably-achievable (ALARA), and nuclear safety objectives. A workshop report is being prepared.
- The downgrade of the CVDF to a less than Hazard Category 3 Facility is on track to be complete in early April. All identified procedures either have been placed on hold or have been approved with required changes. The management assessment to ensure completion of all activities commenced this week with a projected finish next week. Following completion of the management assessment, the independent verification review will be completed to allow implementation of the downgrade process.

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	88%
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	60%

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	1	2	3/13/13 - Employee caught ring on a tube clamp on a uni-strut brace while descending ladder. Surgery made this injury recordable. The worker was off work as a result of the injuries. Body part affected: Finger (23024)
Total Recordable Injuries	1	3	Case (23024) listed above.
First Aid Cases	1	17	3/25/13 - Employee was descending stairs holding onto handrail when foot slipped on step causing worker to fall. Body part affected: Ankle (23035)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

The formal design review of the ECRTS process system “delta design package” was completed on February 28, 2013.

MAJOR ISSUES

None currently identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-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.			Calibrations are being performed as scheduled, CVDF Stack downgrade transmitted to Department of Health for review and DSA step-out criteria being reviewed.
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.
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 above the target of 1.04.
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 May 2013.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Impacts to the project include suspension of construction and procurement contracts associated with the STP, impacts to bargaining unit personnel, and 1 week of furlough for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump & roll impacts, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

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	5.4	3.5	4.6	(1.8)	-33.8%	(1.0)	-29.4%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$1.8M/-33.8%)

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 (-\$1.0M/-29.4%)

The current month negative variance was primarily driven by the suspension of construction and the costs to lay up the construction site.

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	364.7	355.1	356.3	(9.7)	-2.7%	(1.2)	-0.4%	606.5	633.1	(26.5)

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$9.7M/-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 (-\$1.2M/-0.4%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2013		
	Projected Funding	Spending Forecast	Spend Variance
RL-0012	61.8	60.7	1.1

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

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

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-012-13-001R0 – *Change Order (CO) 186, Garnet Filter Media Removal Phase I*

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

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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March 2013
CHPRC-2013-03, 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. Waste water processing continues and 2.96M gallons of Basin 43 waste water has been processed through Effluent Treatment Facility (ETF) toward Key Performance Goal of 7M gallons. Liquid Effluent Facilities (LEF) received 18 tankers (calendar year [CY] 69k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 169k gallons of ERDF leachate (CY 0.57M gallons). CSB continued Knock Out Pot (KOP) Multi-Canister Overpack (MCO) monitoring program. Projects completed routine surveillances.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts
13-EMS-DWF&RS-OB4-T1	Strengthen the DWF&RS environmental compliance program by reducing the risk of noncompliance with regulatory requirements.	Develop compliance matrices for CSB, ISA, WESF, ETF, and LERF facilities and operations.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts
13-EMS-DWF&RS-OB5-T1	Reduce the generation and/or toxicity of waste at the source.	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under DWF&RS management control.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	21	<ul style="list-style-type: none"> • 3/21/13 - Employee tripped on a crack in the sidewalk and fell. Body part affected: hand, hip & shoulder. (23033)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued discussions with DOE of multiple Potential Notification of Changes
- Continued planning for possible Sequestration impacts.

13.02 Capsule Storage & Disposition

- Shipped asbestos load lugger to ERDF for disposal
- Continued with shop work and field installation of new Radiation Indicator Transmitters (RITs) in K-3 Filter Pit and Tank 100
- Completed NEC and UL approval of RITs
- Validated maintenance procedures; function check of RITs and recorder calibration
- Completed field installation of the external pool cell level indicator (calibration still needed)
- Continued with developing Statement of Work (SOW) for roof repairs
- Completed change out of batteries on the Uninterruptible Power Supply (UPS) and placed back into service

13.03 Canister Storage Building (CSB)

- Continued Knock Out Pot (KOP) Multi-Canister Overpack (MCO) monitoring program
- Replaced sample station helium hose connection fittings
- Completed four-month MCO gas sampling for fourth and fifth KOP MCOs
- Completed 100% storage tube tamper indicating device (TID) inspection
- Completed quarterly Gaseous Effluent Monitoring System (GEMS-100) functional tests
- Completed annual MCO Handling Machine (MHM) fall protection system inspection
- Completed six-month Exhaust Fan EF-001/002 High Efficiency Particulate Air (HEPA) filter test

13.07 WRAP

- Hanford Fire Department (HFD) completed the 2336W Annual Glovebox ANSUL discharge panel test & inspection and the 2336W Fire Alarm Control Panel 4 year battery replacement Preventive Maintenance (PM)

- Completed field activities for the 2404WB drum hauler disposition
- HFD replaced batteries for the 24096WC Fire Panel; thus clearing the locked in Trouble Alarm and removing the System Restriction
- Implemented Master Documented Safety Analysis (MDSA)/Technical Safety Requirement (TSR) Rev. 9; revised procedures were issued on March 4, 2013 and affected personnel were briefed during documented morning safety meetings
- Completed 33 TSR surveillances
- Completed nine PM packages
- Completed 83 Rad surveillances
- Completed 40 Operational surveillances

13.08 T Plant

- Performed venting proficiencies utilizing clean drums on March 11, 2013 and March 12, 2013; completed DO-100-055 for 55 gallon drums
- Worked/completed the 2706-T emergency lights, exit signs, ground-fault circuit interrupter (GFCI) inspections and also completed troubleshooting the 2706-TB air compressor; the 2706-TB air compressor was placed Out-of-Service (OOS) and an OOS tag applied
- Discovered insulation (asbestos) in 221-TA facility pipe is starting to pull away from the metal cover, the area has been restricted and a work package initiated
- Conducted a Solid Waste Operations Complex (SWOC) wide drill at T Plant supported by personnel from Central Waste Complex (CWC); the drill was satisfactory and qualified an additional Building emergency director (BED)
- Successfully implemented MDSA/TSR Rev. 9; revised procedures were issued on March 4, 2013 and affected personnel were briefed during documented morning safety meetings
- The T Plant main gate was repaired and is back-in-service, obviating the need for after hours security checks
- Completed one TSR surveillances
- Completed 20 PM packages
- Completed 263 Rad surveillances
- Completed 147 Operational surveillances

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

- Supported the troubleshooting activities for Trench 31 leachate detection level indicator; instrumentation is properly calibrated and there were no apparent deficiencies with the equipment
- Supported additional EPC ground scan activities in Trench 94 in preparation for soil sampling scheduled for week of March 25, 2013.
- Completed confirmation of the 85 gallon drum containing oil soaked soil south of MO-721; the contents were verified and confirmed to be soil from a hydraulic spill and is non-regulated; it will be prepared for sanitary landfill disposal
- Successfully implemented MDSA/TSR Rev. 9; revised procedures were issued on March 4, 2013 and affected personnel were briefed during documented morning safety meetings
- Continued with replacement and waste handling of Tritium exit signs in the 2402 series buildings
- Completed Resource Conservation and Recovery Act of 1976 (RCRA) placarding in the CWC outdoor storage area
- Reviewed and approved two Contaminated Equipment Special Packaging Authorizations (CE-

SPA) for the shipment and return of the Plutonium Finishing Plant (PFP) Glovebox waste that is currently being stored at the CWC

- Completed one TSR surveillance
- Completed 16 PM packages
- Completed 187 Rad surveillances
- Completed 65 Operational surveillances
- Shipments
 - o Received two shipments totaling nine drums of Transuranic mixed (TRU/M) waste from PFP and placed in CWC storage
 - o Received three shipments totaling six drums and six boxes of Mixed Low-Level Waste (MLLW) from PFNW and disposed to the Mixed waste (MW) Disposal Trench #31
 - o Received two shipments totaling eight drums of M/LLW from Perma-Fix M&EC Treatment Facility (Oakridge, TN) and disposed in the MW Disposal Trench #31
 - o Shipped one shipment with one drum of Low Level Waste (LLW) from the CWC to PFNW for processing
 - o Shipped one shipment with three drums of M/LLW from T Plant to PFNW for treatment/processing

13.11 Liquid Effluent Facilities (LEF)

- Processed 2.96M gallons of Basin 43 waste water through Effluent Treatment Facility (ETF) toward Key Performance Goal of 7M gallons
- Received (calendar year [CY]) 18 tankers; 69k gallons
- Treated effluent to State-Approved Land Disposal Site: 1.46M gallons (1.46M CY)
- Discharged 1.76M gallons (4.64M CY) at 200A Treated Effluent Disposal Facility (TEDF)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (169k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (0.57M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 30k gallons
- **Operations Activities**
 - o Shipped 64 Basin 44 powder drums and 32 Basin 43 drums to ERDF
 - o Waste Sampling and Characterization Facility laboratories began stabilization bench scale testing on Basin 43 powder
 - o Processed Basin 43 waste water to minimum level of three feet (3.8M gallons) which removes Land Disposal Requirement annual clock
 - o Added 29 customer waste water drums into both of the concentrate tanks for processing through the Thin Film Dryer (TFD)
 - o Held Executive Senior Management Review Board (ESRB) meeting on the causal analysis for Nuclear Safety and Performance Evaluation Board (NSPEB) overall concern
 - o Continued receiving Mixed Waste Trench leachate tankers
 - o Continued receiving perched water tankers from BP-5
 - o Continued receiving Waste Sampling and Characterization Facility (WSCF) customer waste water drums
 - o Pumped 22 customer waste drums into the Concentrate Tanks for process through the TFD
 - o Initiated plant cleanout of Basin 43 waste water in order to begin maintenance outage

- **Maintenance Activities**
 - o Completed annual maintenance on Exhaust Ventilation Unit (45B-EVU-1A/1B)
 - o Completed the rebuild of the TFD rotor assembly
 - o Repaired 45B-EVU-7 which provides ventilation to the control room
 - o Replaced failed ballast on Ultra Violet/Oxidation (UV/OX) unit
 - o Replaced failed check valve (60D-241) on UV/OX unit
 - o Replaced failed Maintenance Bay hot water heater (95I-TK-3)
 - o Completed Jib and Chainfall inspection to support TFD rotor change out
 - **Liquid Effluent Retention Facility (LERF) Basin activities**
 - o **Basin 44**
 - Continued with surveys/posting verification activities
 - Completed Basin 44 preparations for water removal and transitioned the equipment from Basin 42 to Basin 44
 - Transferred 33,000 gallons of water from Basin 44 cover into the Basin
 - Modified and received approval from Hazard Review Board for continuous water pumping from cover to the LERF Basin 44
 - Met with regulators (Washington Department of Health-WDOH) during technical exchange for cleanup status and requested extension of As Low As Reasonably Achievable Current Technology (ALARACT)
 - o **Basin 42**
 - Continued water and dirt removal from LERF Basin 42 cover with floating pump assembly until equipment was transitioned to Basin 44
- 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 16 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; developed work package to remove vegetation, water, soil and debris from the cover; once water and sediment are removed, a comprehensive cover inspection will be performed and path forward developed for repairs based upon inspection results.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-007: ERDF WAC Revised	Provide budget for waste treatment and disposal to ERDF. Package and deliver waste in accordance with ERDF waste profiles. Waste profiles are assumed to be compliant with ERDF WAC			CHPRC waste generation process and practices provided funding to WCH to perform in-trench macro encapsulation. EPA may request WCH halt in-cell macro encapsulation waste treatment activities. CHPRC is working with WCH to evaluate the planned waste expected to be macro encapsulated at ERDF within the next 12 months.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled. W&F manages contract for CHPRC waste treatment. Work scope within PBS RL-0013 is not impacted. Mixed Waste may require temporary storage within CWC until sufficient volume is generated for efficient processing.			Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Legacy containers in expansion area are requiring additional resources. The actions associated to minimize issues with the containers in the Long-Term Box Storage are not in planning for FY13 or beyond.
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.			<ul style="list-style-type: none"> Biological contamination has been detected and may be associated with LERF Basin 44. Continue to sample and monitor area. Thin-Film Dryer rotor replacement scheduled during next ETF outage and replacement of heat exchanger. Continuing to experience greater than planned maintenance at ETF and LERF.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			<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			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 1 week of furlough for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	7.3	7.2	6.4	(0.1)	-1.3%	0.8	11.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.1M/-1.3%)

The current period schedule variance is within threshold.

CM Cost Performance (+\$0.8M/+11.1%)

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	743.7	743.2	730.8	(0.4)	-0.1%	12.4	1.7%	1,344.5	1,329.5	15.0

Numbers are rounded to the nearest \$0.1M

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

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$12.4M/+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 February to March 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	82.1	80.5	1.5

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. March Spending Forecast reflects reduction per anticipated sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-013-013-002R0 – *Realized Risk on WSD-121, WSD-086, WSD-020A, and WSD-135*

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCR-PRC-13-006R0 – *Fee/Contract Alignment*

MILESTONE STATUS

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

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

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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

March 2013
CHPRC-2013-03, 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 March includes the following:

- 22.9M gallons groundwater treated by KX treatment facility
- 11.4M gallons groundwater treated by KW treatment facility
- 12.3M gallons groundwater treated by KR-4 treatment facility
- 24.9M gallons groundwater treated by HX treatment facility
- 24.5M gallons groundwater treated by DX treatment facility
- 61.3M gallon groundwater treated by 200W treatment facility
- 157.3M gallons of groundwater treated total

Sampling	March	FY2013 Cumulative
Number of Well Sampling Events	105	1088
Number of Aquifer Sampling Events	47	376
Total Number of Sampling Events	152	1464
Total Number of Samples Collected	657	5320
Total Number of Analyses Performed	2010	12220

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	895M Gallons treated through 3/31/13

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 50%
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	2	25	<p>3/19/2013 – Employee felt discomfort in his shoulder over time while working with two other pipefitters positioning 4” HDPE piping. Employee was transferred to First Aid to have shoulder looked at. (23031) S&GRP</p> <p>3/20/2013 – Work crew was in the process of unplugging lines and pumps at the 200 West P&T when disconnecting the hose from the diaphragm pump to the drain line at the drain line connection that sludge and water sprayed out and soaked the IHT from his chest down but mostly on his legs. Action was taken to have the employee disrobe and take a shower. IHT identified that his leg was irritated and felt scratchy. The IHT was taken to 200W Medical where he was seen for irritation on both legs. The employee was given a non-prescription strength itch relief spray and was told to take another shower. (23030) S&GRP</p>
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

RL-0030.01 RL 30 Operations

RL 30 Integration & Assessments

Strategic Integration

- 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 DOE-RL in April.

Technical Integration

- TC&WM EIS Model Transition – Completed an EIS model transition workshop. Transition products (electronic appendix with the model input files and software) are needed to support Phase I transition this fiscal year as well as Performance Assessment and Composite Analysis maintenance activities.
- Geologic Structure Database – Updated and released the 100-Area geologic structural database that is maintained in Leapfrog-Hydro™ to incorporate latest available geologic data. Updated the Leapfrog Viewer tool which is now available on the Software Distribution site to Hanford users.

DOE O 435.1 Assessments

- ERDF PA – Supporting the Low-Level Federal Review Group (LFRG) review of the ERDF Performance Assessment as part of the integration of Hanford Site risk assessment. The LFRG onsite review is scheduled for May 13–17, 2013 with LFRG review completion in early July.

River Corridor**100-D/H Operable Units**

- Received Ecology comments on the RI/FS and PP on March 13, 2013; initiated comment resolution process.

100-FR-3 Operable Unit

- Received EPA comments on the RI/FS and PP on March 4, 2013; initiated comment resolution process.

Central Plateau**200-UP-1 Operable Unit**

- The Draft A RD/RA Work Plan and associated draft TPA change package was transmitted to RL on March 25, 2013 for transmittal onto the regulators for review.

200 West Pump and Treat

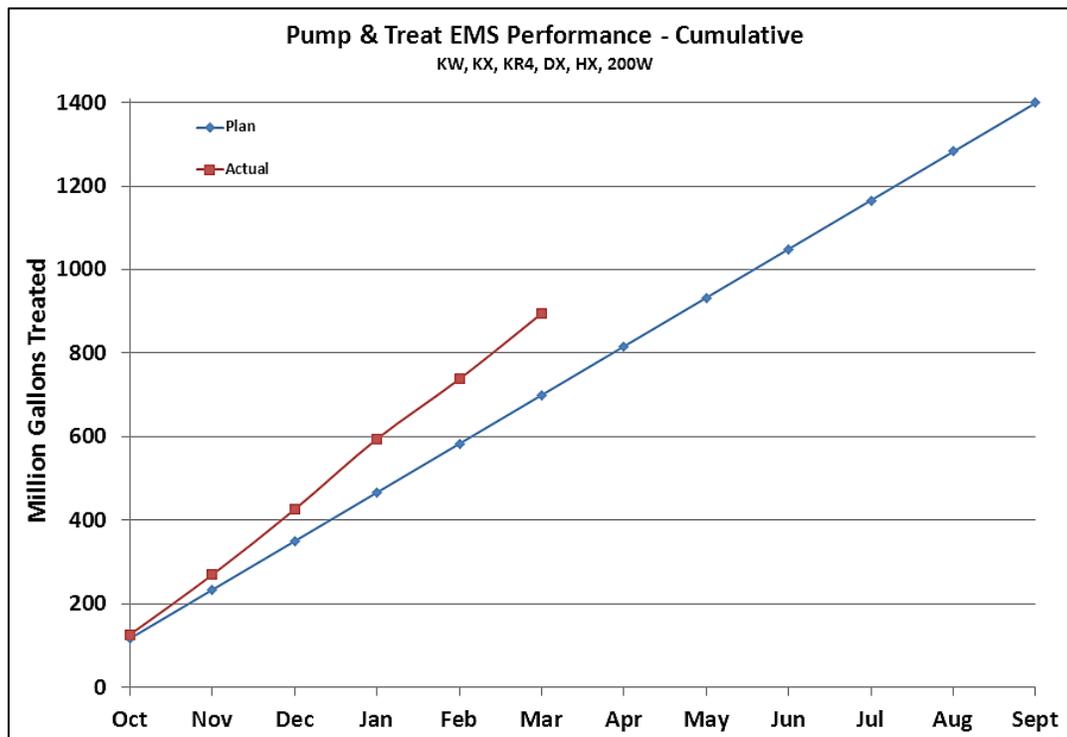
- During this month, the pumping rates at the 200 West P&T ranged from 1,260 gpm to 1,550 gpm.
- The two ion exchange resin trains were run between 477 gpm and 493 gpm combined capacity, removing Technetium-99 from groundwater from selected wells near the TX-TY Tank Farm, T Tank Farm, as well as S-SX Tank Farm.
- Approximately 290 kg of carbon tetrachloride and 13,600 kg of nitrate were recovered during month of March 2013.
- Continuing to perform OTP work, routine maintenance, and minor modifications.
- The below table identifies the average concentration of the contaminants of concern in the effluent water following treatment.

Contaminant Of Concern	Average Effluent Concentration	Cleanup Level Specified in Record of Decision
Nitrate	8,812 ug/L	10,000 ug/L
Carbon Tetrachloride	2.6 ug/L	3.4 ug/L
TCE	<0.5 ug/L	1 ug/L
Total Chromium	7.5 ug/L	100 ug/L
Hexavalent Chromium	4.8 ug/L	48 ug/L
Iodine-129	<0.2 pCi/L	1 pCi/L
Technetium-99	44.6 pCi/L	900 pCi/L
Tritium	5,954 pCi/L	20,000 pCi/L

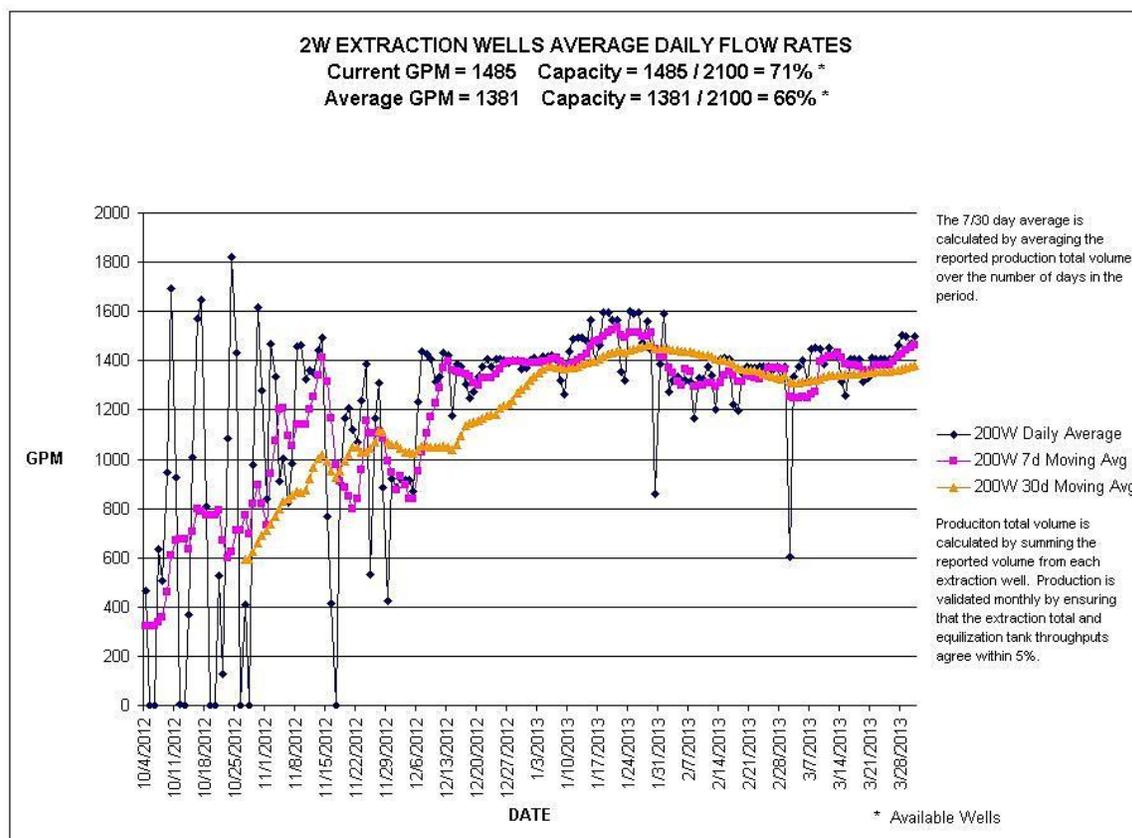
200-DV-1 Operable Unit

- The B Area perched water removal system continued operations since its restart on October 18, 2012. The system removed 8,483 gallons during the month of March, bringing the total volume of perched water removed to 111,058 gallons since initiating operations.
- The perched water removal system removed the following quantities of contaminants for the month of March:
 - o Tc-99 1.64E-03 Ci
 - o Uranium 1.2 kilograms
 - o Nitrates 20.5 kilograms
- The perched water removal system removed the following quantities of contaminants since project start-up (cumulative removal):
 - o Tc-99 10.6E-03 Ci
 - o Uranium 17.2 kilograms
 - o Nitrates 224.5 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 –

- DOE 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 DOE 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 – Public comment period has closed and anticipate approval in 4-6 weeks.

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 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 Rev 0 RI/FS Report and Proposed Plan will be revised in accordance with RL Senior Management direction and submitted to EPA for approval.

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 –

- DQO complete; resolving RL comments on sampling instructions. Awaiting notice to proceed for field activities.
- DOE 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 now requires preparation of an addendum to the RI/FS report to address new scope.
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.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
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 key deliverable from the Department of Energy to CHPRC is the technology document complete with the digital appendices. Without the digital appendices, the government is at risk for increased cost and schedule for performance of the CHPRC to perform modeling assessments.
SGW-158: Phase-I Tank Waste EIS Model Transition	CHPRC will develop a two-phase test plan to enable the TC&WM EISL Model that will 1) place the model under configuration control and demonstrate that key EIS cases can be rerun and results are consistent, and 2) preparation of the model components, data, software, and tools 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. The electronic appendices are scheduled for transfer on April 17, 2013.
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. Five interim injection wells were hooked up in FY2012 to the 200 West P&T for additional injection capacity.			Installation of 3 extractions and 1 injection well in FY 2013 plus the connection of 5 interim system injection wells performed in FY2012 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 CHRPC and DOE.			At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling in the vicinity of KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operating and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilizing aggressive Corrective Maintenance program and ensuring staff are thoroughly trained on new equipment. Performing design modifications/procedure revisions to accommodate unexpected conditions. Continuing to work corrective maintenance issues as identified during acceptance testing.			Continuing to resolve outstanding issues associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. 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 March remains above the CPI Target of 1.08 for the Fiscal Year.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.	●	↓	Impacts to groundwater project include contingencies for process upsets for P&T operation, well drilling and realignments for ZP-1, BC-5, KR-4, HR-3 and M-24 campaigns, vadose zone sampling and down hole geophysical logging associated with well drilling, and HR-3, KR-4 and ZP-1 well connections and realignments – RPO modeling. Also NR-2, HR-3, KR-4, 300 Area, FI/U and BC-5 CERCLA documents and processes. Due to impacts to BC-5 drilling, work to develop a CP in response to CO #221, “100-BC-5 Well drilling Additional Wells and Aquifer Tube Network” has been halted and actuals provided to RL. Impacts also include 1 week of furloughs for personnel.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
RL-0030.C1 GW Remedy Implement	0.0	0.0	(0.3)	0.0	0.0	0.3	0.0
RL-0030.O1 RL 30 (Operations)	8.4	7.7	7.1	(0.7)	-7.9	0.7	8.6
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	8.4	7.7	6.7	(0.7)	-7.9	1.0	13.5

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance (-\$0.7M/-7.9%)

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

RL-0030.O1 RL 30 Operations (-\$0.7M/-7.9%)

Drilling (-\$0.3M)

Well drilling activities for KR-4, HR-3 and M-24 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 (+\$1.0M/+13.5%)

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

RL-0030.C1 GW Remedy Implement (+\$0.3M/0.0%)

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

The positive cost variance is the result of negotiated final contract values being less than the previously accrued value for these contracts leading to a reduced accrual value this month compared to last month.

RL-0030.O1 RL 30 Operations (+\$0.7M/+8.6%)

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.

100-HR-3 Operable Unit (+\$0.4M)

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

Contract-to-Date (\$M)

RL-0030 Soil and Groundwater Remediation	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
RL-0030.C1 GW Remedy Implement	73.4	73.4	86.8	(0.0)	-0.0	(13.4)	-18.3	73.4	87.5	(14.1)
RL-0030.O1 RL 30 (Operations)	513.8	512.6	501.6	(1.2)	-0.2	11.0	2.1	1,151.9	1,139.9	12.0
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	854.4	853.1	852.3	(1.2)	-0.1	0.8	0.1	1,492.5	1,491.3	1.1

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance (-\$1.2M/-0.1%)

RL-0030.O1 RL 30 Operations (-\$1.2M/-0.2%)

100-NR-2 Operable Unit (+\$1.2M)

This favorable schedule variance has resulted from performing barrier expansion and sampling support (planned in FY2013) during FY2011 and FY2012. This variance is now below reporting threshold and

will be eliminated throughout the remainder of FY2013.

CTD Cost Performance (+\$0.8M/+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 (-\$13.4M/-18.3%)

200-ZP-1 Operable Unit (-\$13.4M)

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

RL-0030.O1 RL 30 Operations (+\$11.0M/+2.1%)

Integration and Assessments (+\$5.9M)

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 (-\$2.3M)

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 (+\$3.4M)

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 (+\$1.9M)

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	89.9	88.4	1.5

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 anticipated sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCR-030-13-005R0 – *Decommissioning of Well 299-E25-236*

BCRA-030-13-009R0 – *Implement TPA Change M-85-13-01*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

FY2013 Management Reserve (Funded): \$0.0M

No Management Reserve was used during March

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-37	PMM Submittal Oct-Dec 1st Qtr. FY2013 Burial Ground Sample Results	TPA	3/15/13	1/24/13		Milestone was met at January PMM, minutes were signed on 3/4/13.
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs	TPA	12/31/12	TBD		Complete Pending Negotiation of TPA Tentative Agreement Completion by submitting FR-3 and HR-3 RI/FS and PP Draft A documents.
M-015-68-T01	Submit RI/FS Report & PP for 100-BC-1/2/5 OUs	TPA	3/15/12 (Original Due Date: 11/30/11)		12/15/16	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to November 30, 2016.
M-015-62-T01	Submit a FS/PP for 100-NR-2-1/2 Operable Units Including groundwater and soil.	TPA	9/17/12		6/28/13	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to June 30, 2013.
M-085-01	Submit a change package to establish a date for major milestone M-085-00.	TPA	3/30/13		9/30/22	Pending Negotiation of TPA Tentative Agreement. Completion rescheduled to September 30, 2022.
M-037-03	Submit Revised Closure Plans for 216-B-3 and 216-S-10	TPA	4/30/13		4/30/13	RL is self-performing the completion of draft reports.
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-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	PRC transmitted the Draft A to RL on March 25, 2013
M-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/13	On Schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY13 Burial Ground Sample Results	TPA	9/15/2013		9/15/13	On Schedule
M-091-40L-040	PMM Submittal Jul-Sep 4th Qtr FY13 Burial Ground Sample Results	TPA	12/15/13		12/15/13	On Schedule
M-024-64	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/13		12/31/13	On Schedule
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14		2/28/14	On Schedule
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	On Schedule
M-091-40L-041	PMM Submittal Oct-Dec 1st Qtr FY14 Burial Ground Sample Results	TPA	3/15/14		3/15/14	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

March 2013
CHPRC-2013-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and radiological areas remedial action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project completed the replacement of 300 radiological postings on Waste Information Data System (WIDS) sites, conducted 103 radiological facility surveillances, and completed REDOX Annual Surveillance.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts
13-EMS-DWF&RS-OB5-T1	Reduce the generation and/or toxicity of waste at the source.	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under DWF&RS management control.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts

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

KEY ACCOMPLISHMENTS

- Conducted 103 radiological facility surveillances
- Completed replacement of 300 radiological postings on Waste Information Data System (WIDS) sites
- Performed WIDS site housekeeping (weed spraying)
- Completed 31 Preventive maintenance (PM) activities
- Packaged Sperry tubes at U-Plant for disposal

- Obtained 216-A-Tk-2 tank level with bubbler
- Shipped B-Plant filters to Environmental Restoration Disposal Facility (ERDF)
- Completed Reduction and Oxidation (REDOX) Annual Surveillance
- Completed repair at abandoned steam-line in support of Mission Support Alliance (MSA) activity
- Completed 200E Tri-Annual and Annual Surveillance

MAJOR ISSUES

Issue – Uncharacterized substance (white powder) found on the floor of the Reduction-Oxidation (REDOX) North Piping Gallery impeding the completion of the building surveillance.

Corrective Action – Obtain sample of substance and determine a path forward based on the analysis.

Status – Sampling work package has been completed and the sampling evolution was performed on January 23, 2013. Received analysis on February 4, 2013. Clean-up of the substance has been completed.

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-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 steamline sections. <i>However, sequestration is impacting ability to stabilize/remove and monitor asbestos areas within the Central Plateau.</i>

PRC-058: Cost Savings Initiatives Opportunity	Evaluate processes to re-sequence activities and remove unnecessary/self-imposed requirements. Develop tracking system for efficiencies and monitor performance to achieve efficiencies.			Maintain Fiscal Year Cost Performance Index (CPI) greater than 112%.
PRC-061: FY 2013 Sequestration Impacts	Identify impacts based on DOE prioritization.			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 1week of furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.1	0.9	0.7	(0.2)	-17.0%	0.2	19.2%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance: (-\$0.2M/-17.0%)

Variance is within threshold.

CM Cost Performance: (+\$0.2M/+19.2%)

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	370.1	369.9	342.3	(0.2)	-0.1%	27.6	7.5%	488.7	461.0	27.7

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance: (-\$0.2M/-0.1%)

Variance is within threshold.

CTD Cost Performance: (+\$27.6M/+7.5%)

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

- Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4); overhead allocations, less than anticipated resources for Program Management and C-3 Sampling; lower than planned costs for capital equipment (D4), and less asbestos abatement required for 200W buildings. This is offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4), coupled with

increased insulator staff and the use of overtime to recover schedule, 200E Administration and 209E Project delays, less resources required at U Canyon (D4), and Usage Based Services higher than planned.

- Efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D, and Outer Area waste sites. The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (pass back) to Environmental Restoration Disposal Facility (ERDF) waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project due to the walls of the basins being much thicker than estimated.
- Efficiencies for demolition of the Industrial 7 Project (D4) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected, completion of the sampling of Cell 30 with less resources than planned, Program Management utilizing less resources, capital equipment, Usage Base Services, and under run in overhead allocations.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from February to March are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2013		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	12.9	12.3	0.5

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2012 carryover and FY2013 new Budget Authority. March Spending Forecast reflects reduction per anticipated sequestration.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

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
Project Manager for
Decommissioning, Waste,
Fuels, and Remediation
Services (DWF&RS)

March 2013
CHPRC-2013-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Continued working on the Facility Hazard Categorization documentation. Continued working on removal of legacy waste from the 100K area. Continued progress on the D&D process development.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts
13-EMS-DWF&RS-OB5-T1	Reduce the generation and/or toxicity of waste at the source.	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under DWF&RS management control.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts

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	21	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Facilities

- Completed 105KE surveillance and maintenance procedure.
- Continued revisions to the 105KE Facility Hazard Categorization.
- Continued with disposition/disposal of legacy waste items for the 100K Area.

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. Reporting for this risk will be discontinued.
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.
KBC-004: Contamination Depth Greater Than Planned	Cannot control extent of contamination; Mitigate risk utilizing total tons within the PMB volume for 100-K waste sites Remediation.			Remediation in FY2013 has been completed. Reporting for this risk will be discontinued.
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.			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 1 week of furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.

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	(0.6)	-52.2%	0.2	30.1%

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$0.6M/-52.2%)

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

CM Cost Performance (+\$0.2M/+30.1%)

The variance is within reporting threshold.

Contract-to-Date

(\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	298.2	298.1	278.1	(0.0)	-0.0%	20.0	6.7%	467.5	449.7	17.8

Numbers are rounded to the nearest \$0.1M

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

The negative schedule variance is due to CSNA sites that were completed early.

CTD Cost Performance (+\$20.0M/+6.7%)

The positive CTD cost variance is primarily the result of prior year activity which 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 February to March 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	9.7	9.2	0.5

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2012 carryover and FY2013 new Budget Authority. March Spending Forecast reflects reduction per anticipated sequestration.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

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)

March 2013
CHPRC-2013-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

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

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
13-EMS-DWF&RS-OB2-T1	Reduce the acquisition, use, and release of toxic and hazardous chemicals and materials.	Minimize spills of hazardous materials and petroleum to the environment from DWF&RS facilities and activities through use of training, equipment, spill prevention techniques, and monitoring.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts
13-EMS-DWF&RS-OB5-T1	Reduce the generation and/or toxicity of waste at the source.	Develop a plan to disposition unneeded equipment and materials currently being stored in conex boxes and laydown yards that are under DWF&RS management control.	Proposed for Cancellation due to sequestration impacts	Proposed for Cancellation due to sequestration impacts

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 eight PM activities/operational surveillances
- Completed four radiological surveillances
- Continued support for the Business Case addressing future operation of the 400 Area water system
- Initiated preliminary planning to cease sanitary sewer discharge to Energy Northwest
- Repaired scaffolding at Fast Flux Test Facility (FFTF)
- Completed decon of 4713B

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities.
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.			Impacts to the project include curtailing procurements, impacts to bargaining unit personnel, and 1 week of furloughs for exempt and nonexempt. The subsequent impact (including, but not limited to rehire, training, bump/roll, procurement penalties, etc.) are not within the scope of the CHPRC baseline.
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.

PROJECT BASELINE PERFORMANCE

Current Month
 (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	0.2	0.2	0.2	(0.0)	-0.0%	0	0.8%

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: (+\$0.0M/+0.8%)

The current period cost variance is within threshold.

Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	14.8	14.8	12.9	0.0	0.0%	1.9	13.2%	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 (+\$1.9M/+13.2%)

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 February to March 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. February Spending Forecast reflects reduction per anticipated 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

BCR-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

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



March 2013
CHPRC-2013-03, 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 / 02 / 25						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2013 / 03 / 24						
c. TYPE CPAF			d. SHARE RATIO													
5. CONTRACT DATA																
a. QUANTITY	b. NEGOTIATED COST 5,451,637	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 0		d. TARGET PROFIT/ FEE 227,692	e. TARGET PRICE 5,679,330	f. ESTIMATED PRICE 5,711,900	g. CONTRACT CEILING 5,679,330	h. ESTIMATED CONTRACT CEILING 5,711,900		i. DATE OF OTB/OTS						
6. ESTIMATED COST AT COMPLETION					7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,398,989						c. SIGNATURE			d. DATE SIGNED 3/24/2013					
b. WORST CASE		5,451,737														
c. MOST LIKELY		5,484,208		5,451,637		(32,570)										
8. PERFORMANCE DATA																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	9,600	4,774	8,848	(4,826)	(4,074)	588,181	573,016	590,827	(15,165)	(17,811)	0	0	0	940,255	1,009,812	(69,557)
012 RL-12 SNF Stabilization and Disposition	5,352	3,546	4,589	(1,807)	(1,044)	364,734	355,051	356,298	(9,682)	(1,247)	0	0	0	606,548	633,051	(26,502)
013 RL-13 Solid Waste Stabilization & Disposition	7,304	7,206	6,403	(98)	803	743,663	743,237	730,836	(427)	12,401	0	0	0	1,344,498	1,329,512	14,986
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,384	7,723	6,683	(661)	1,040	854,373	853,130	852,312	(1,243)	818	0	0	0	1,492,454	1,491,337	1,117
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,088	903	730	(185)	173	370,089	369,876	342,286	(213)	27,590	0	0	0	488,747	461,016	27,731
041 RL-41 Nuclear Facility D&D - River Corridor	1,133	541	378	(591)	163	298,157	298,150	278,136	(7)	20,014	0	0	0	467,474	449,676	17,798
042 RL-42 FFTF Closure	160	160	159	0	1	14,799	14,799	12,851	0	1,948	0	0	0	26,542	24,584	1,958
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	33,021	24,853	27,791	(8,168)	(2,938)	3,233,996	3,207,259	3,163,546	(26,737)	43,713	0	0	0	5,366,518	5,398,989	(32,470)
f. Management Reserve														85,219		
g. Total	33,021	24,853	27,791	(8,168)	(2,938)	3,233,996	3,207,259	3,163,546	(26,737)	43,713	0	0	0	5,451,737		
9. Reconciliation to CBB																
a. Variance Adjustment										(26,737)	43,713					
b. Total Contract Variance														5,451,737	5,398,989	52,749

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 / 02 / 25					
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788				b. PHASE				b. TO (YYYYMMDD) 2013 / 03 / 24					
			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 (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)						
30A - Project Services & Support																
011.A - Proj Services & Support	0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619
012.A - Proj Services & Support	0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594
013.A - Proj Services & Support	0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554
030.A - Proj Services & Support	0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)
040.A - Proj Services & Support	0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853
041.A - Proj Services & Support	0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032
042.A - Proj Services & Support	0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112
	0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291
30B - WBS 98 PSD Distribution																
011.A1 - Project Specific Distributables	0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)
013.A1 - Project Specific Distributables	0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)
030.A1 - Project Specific Distributables	0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)
040.A1 - Project Specific Distributables	0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858
041.A1 - Project Specific Distributables	0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979
	0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)
30C - WBS 98 R&RP Distribution																
011.A2 - PSD R&RP	0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)
012.A2 - PSD R&RP	0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)
013.A2 - PSD R&RP	0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)
030.A2 - PSD R&RP	0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)
040.A2 - PSD R&RP	0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371
041.A2 - PSD R&RP	0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250
042.A2 - PSD R&RP	0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)
	0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)
30W - WBS 98 WFR Distribution																
011.A3 - PSD WFR	0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0
012.A3 - PSD WFR	0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0
013.A3 - PSD WFR	0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0
040.A3 - PSD WFR	0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0
041.A3 - PSD WFR	0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0
	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
34 - Environmental Prog & Strategic Planning																
030.2 - Envir Prog & Strategic Planning	409	409	469	0	(60)	39,508	39,508	36,348	0	3,160	0	0	0	79,989	76,878	3,111
	409	409	469	0	(60)	39,508	39,508	36,348	0	3,160	0	0	0	79,989	76,878	3,111
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	388	0	(388)	1,818	1,818	1,608	0	211	0	0	0	1,818	1,608	211
012.7W - PRC WFR	0	0	125	0	(125)	1,363	1,363	901	0	462	0	0	0	1,363	901	462
013.7W - PRC WFR	0	0	245	0	(245)	1,702	1,702	1,417	0	284	0	0	0	1,702	1,417	284
030.7W - PRC WFR	0	0	190	0	(190)	1,705	1,705	1,058	0	648	0	0	0	1,705	1,058	648
040.7W - PRC WFR	0	0	29	0	(29)	224	224	180	0	44	0	0	0	224	180	44
041.7W - PRC WFR	0	0	21	0	(21)	337	337	209	0	128	0	0	0	337	209	128
042.7W - PRC WFR	0	0	5	0	(5)	33	33	23	0	9	0	0	0	33	23	9
	0	0	1,003	0	(1,003)	7,182	7,182	5,396	0	1,786	0	0	0	7,182	5,396	1,786
3B - PFP Closure, BOS & Infrastructure																
011.1 - Plutonium Finishing Plant	9,600	4,774	8,461	(4,826)	(3,687)	503,322	488,157	513,032	(15,165)	(24,875)	0	0	0	855,396	932,017	(76,621)
	9,600	4,774	8,461	(4,826)	(3,687)	503,322	488,157	513,032	(15,165)	(24,875)	0	0	0	855,396	932,017	(76,621)
3C - W&FMP/D&D Project																
012.1 - 100 K Area Project	2,447	2,447	1,994	0	453	129,466	129,466	128,369	0	1,097	0	0	0	252,176	259,596	(7,420)
012.2 - Sludge Treatment Project	2,906	1,099	2,470	(1,807)	(1,371)	181,483	171,801	174,792	(9,682)	(2,991)	0	0	0	300,588	320,317	(19,730)
013.1 - Waste Management	7,304	7,206	6,158	(98)	1,048	637,040	636,614	623,646	(427)	12,968	0	0	0	1,237,875	1,222,322	15,553
040.1 - PRC D&D	0	0	35	0	(35)	191,549	191,549	187,772	(0)	3,777	0	0	0	225,176	221,817	3,360
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	1,133	541	357	(591)	184	245,286	245,278	234,653	(7)	10,625	0	0	0	414,602	406,194	8,409
042.1 - FFTF	160	160	154	0	6	13,163	13,163	11,314	0	1,849	0	0	0	24,906	23,047	1,859
040.3 - PRC Fac & Waste Site Maint	1,088	903	665	(185)	237	39,456	39,242	36,026	(213)	3,216	0	0	0	102,643	98,869	3,774
	15,037	12,356	11,834	(2,681)	522	1,505,037	1,494,707	1,456,695	(10,330)	38,011	0	0	0	2,647,403	2,634,128	13,275
3D - Soil & Groundwater Remediation																
030.1 - Soil & GW Remediation	7,975	7,314	6,398	(661)	916	444,189	442,947	419,001	(1,243)	23,945	0	0	0	1,041,790	1,016,773	25,017
	7,975	7,314	6,398	(661)	916	444,189	442,947	419,001	(1,243)	23,945	0	0	0	1,041,790	1,016,773	25,017
3F - Engineering, Projects & Construction																
030.3 - EPC - Groundwater	0	0	(373)	0	373	273,050	273,050	292,759	0	(19,709)	0	0	0	273,050	293,483	(20,433)
	0	0	(373)	0	373	273,050	273,050	292,759	0	(19,709)	0	0	0	273,050	293,483	(20,433)
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	33,021	24,853	27,791	(8,168)	(2,938)	3,233,996	3,207,259	3,163,546	(26,737)	43,713	0	0	0	5,366,518	5,398,989	(32,470)
f. Management Resrv.														85,219		
g. Total	33,021	24,853	27,791	(8,168)	(2,938)	3,233,996	3,207,259	3,163,546	(26,737)	43,713	0	0	0	5,451,737		

FORMAT 3, DD FORM 2734/3, BASELINE

March 2013 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													Form Approved OMB No. 0704-0188		
DOLLARS IN THOUSANDS															
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: 2013/02/25 b. TO: 2013/03/24			
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 \$0		e. CONTRACT BUDGET BASE (C + D) \$5,451,637		f. TOTAL ALLOCATED BUDGET \$5,451,737		g. DIFFERENCE (E - F) (\$100)		
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															
BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)															
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 Apr-12 (4)	+2 May-12 (5)	+3 Jun-13 (6)	+4 Jul-13 (7)	+5 Aug-13 (8)	+6 Sep-13 (9)							
a. PM BASELINE (BEGIN OF PERIOD)															
b. BASELINE CHANGES AUTH DURING REPORT PERIOD															
BCR-012-13-001R0 - Change Order (CO) 186, Garnet Filter Media Removal Phase I															
BCR-013-13-002R0 - Realized Risk on WSD-121, WSD-086, WSD-020A, and WSD-135															
BCR-030-13-005R0 - Decommissioning of Well 299-E25-236															
BCR-PRC-13-005R0 - FY2013 Sequestration															
BCRA-030-13-009R0 - Implement TPA Change M-85-13-01															
BCRA-PRC-13-006R0 - Fee/Contract Alignment															
c. PM BASELINE (END OF PERIOD)															
7. MANAGEMENT RESERVE															
8. TOTAL															

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 / 02 / 25		
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE			b. TO (YYYYMMDD) 2013 / 03 / 24				
			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 Apr (4)	+2 May (5)	+3 Jun (6)	+4 Jul (7)	+5 Aug (8)	+6 Sep (9)	FY14 (12)	FY15-18 (13)		
30B - WBS 98 PSD Distribution												
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	1
31 - Communications & Outreach												
000.1 - Communications & Outreach	6	577	6	7	6	6	7	7	7	87	336	1,039
	6	577	6	7	6	6	7	7	7	87	336	1,039
32 - Safety, Health, Security & Quality												
000.2 - Safety,Health,Security/Quality	57	4,252	45	45	45	45	46	46	46	572	2,017	7,114
	57	4,252	45	45	45	45	46	46	46	572	2,017	7,114
34 - Environmental Prog & Strategic Planning												
000.4 - Environmental Prog & Strategic Planning	20	1,113	18	18	17	16	17	17	17	206	751	2,172
030.2 - Envr Prog & Strategic Planning	22	1,545	20	15	20	18	15	17	17	265	1,431	3,347
	42	2,658	37	33	37	34	32	34	34	471	2,182	5,519
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	74	4,227	63	64	62	62	63	63	63	846	3,375	8,825
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
	74	5,868	63	64	62	62	63	63	63	846	3,375	10,466
36 - Prime Contract & Project Integration												
000.7 - Contract and Baseline Management	36	2,089	37	37	37	36	37	37	37	420	1,680	4,410
000.9 - Chief Information Officer	10	670	10	10	10	10	10	10	10	119	476	1,326
	47	2,759	47	47	47	46	47	47	47	539	2,156	5,736
38 - Project Technical Services												
000.F - Eng/Procurement & Construction	13	1,296	14	15	14	14	15	15	15	153	613	2,148
000.T - Proj Tech Svcs	14	1,553	16	16	16	16	16	16	16	200	802	2,651
030.3 - EPC - Groundwater	3	3,630	6	4	5	5	4	5	5	0	0	3,659
	30	6,479	36	35	35	35	35	35	36	354	1,415	8,459
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	463	29,704	399	402	399	399	404	401	401	6,054	8,940	47,102
	463	29,704	399	402	399	399	404	401	401	6,054	8,940	47,102
3C - W&FMP/D&D Project												
012.1 - 100 K Area Project	109	7,076	100	101	100	100	101	101	101	1,347	3,240	12,266
012.2 - Sludge Treatment Project	92	6,234	85	84	80	82	85	85	85	1,180	2,280	10,196
013.1 - Waste Management	302	32,958	294	295	294	294	297	297	297	4,340	18,059	57,128
040.1 - PRC D&D	1	7,529	0	0	0	0	0	0	0	0	1,256	8,784
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	33	2,312	38	39	38	38	38	38	38	512	1811	4,866
041.1 - River Zone	17	6,915	19	19	19	19	19	19	19	359	4006	11,394
042.1 - FFTF	9	618	5	5	5	5	5	5	5	83	330	1,061
	565	64,984	542	543	535	539	545	545	545	7,821	31,471	107,524
3D - Soil & Groundwater Remediation												
030.1 - Soil & GW Remediation	239	17,131	235	240	237	238	236	236	236	3,502	14,735	36,789
	239	17,131	235	240	237	238	236	236	236	3,502	14,735	36,789
Grand Totals:	1,522	134,415	1,408	1,415	1,403	1,404	1,415	1,414	1,414	20,244	66,628	229,747

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) 2013/02/25		
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER DE-AC06-08RL14788		b. PHASE Base		b. TO (YYYY/MM/DD) 2013/03/24			
		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:	33,021	24,853	27,791	(8,168)	-24.7%	(2,938)	-11.8%	0.75	0.89
Cumulative:	3,233,996	3,207,259	3,163,546	(26,737)	-0.8%	43,713	1.4%	0.99	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,366,518	5,398,989	(32,470)	-0.6%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$8.2M) is primarily due to RL-0011 PFP Closure Project negative variance (-\$4.8M) results from delayed PRF work efforts impacted by PRF canyon crane failure, process vacuum and transfer line removal efforts impacted by a management stop work associated with chemical lines and reformed field teams, 242-Z D&D field work deferred due to sequestration, a management stop work on OV/AG/HE cartridges, temporary suspension of scaffold work packages, facility criticality horn testing, performance affected by IROF notices, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel. The majority of the discrete D&D work scope has either not completed pre-March 2013 work scope or has been deferred due to sequestration. The RL-0012 negative variance (-\$1.8M) is due to suspension of Annex construction due to funding cuts resulting from Sequestration. The project is forecasting a startup in fiscal year 2014. The RL-0030 negative variance (-\$0.7M) is due to early completion of the NR-2 barrier work that was planned in FY2013, but completed in FY2011 and FY2012. Other activities contributing to the variance are well drilling delays in H and K areas pending decisions on BC-5 wells and chemical procurements for the 200W P&T that were level loaded in the baseline but will occur later in the Fiscal Year. The RL-0041 negative variance (-\$0.6M) 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 (-\$2.9M) is primarily due to RL-0011 negative variance (-\$4.1M) resulting from unplanned chemical mitigation scope, extensive time required to repair the PRF canyon crane, 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 (-\$1.0M) is due to costs driven by the suspension of Annex Construction and the work required to lay up the construction site/project for an extended period of inactivity.</p> <p>Cumulative Schedule Variance: The Cumulative unfavorable Schedule Variance (-\$26.7M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$43.7M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$20.7M) and prior year G&A/DD/PSD distribution variances (+\$23.0M).</p>									
Impact:									
<p>Current Period Schedule: For RL-0011, the Current PMB Schedule reflects reduced field teams and deferred work as a result of sequestration, resulting in an additional 122 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 December 30, 2014. 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. Teams have been reduced to three. Reduced funding, workforce restructuring, chemical mitigation, delayed ramp-up of 242-Z field work teams, and PRF crane impacts for D&D field teams is pushing completion of follow-on work, impacting TPA Milestone M-083-00A. The current forecast is showing a 184 working-day delay to TPA Milestone M-083-00A, primarily driven by added chemical mitigation work scope delaying process vacuum removal in 234-5Z. The Current PMB Schedule reflects reduced field teams in FY2013 (from 12 to 8), as a result of sequestration. However, the life cycle schedule and current field schedules do not yet reflect impacts resulting from reductions required by Government-mandated sequestration. Schedule impacts are being evaluated and will be reflected in the April accounting period. 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, E-3 duct stabilization, and RMA/RMC Line D&D. 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. TPA Milestone M-083-44, Complete Transition of 234-5Z&ZA/243-Z/291-Z & 291-Z-1 Facilities. Due: September 30, 2015 Forecast: March 3, 2017. TPA Milestone M-083-00A, Complete PFP Facility Transition and Selected Disposition Activities. Due: September 30, 2016 Forecast: June 26, 2017. TPA Milestone M-083-24-T01, Submit Revision 0 of the PFP Complex</p>									

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

S&M Plan to Ecology. Due June 30, 2016. Forecast: June 30, 2016. No other significant impacts have been identified.
CTD Cost: For PBS RL-0011, FY2013 resources have been reduced, in accordance with RL notice of the revised annual funding due to sequestration. The EAC includes the cost of extending level-of-effort services, consistent with delayed activities in support of completing TPA Milestone M-083-00A, and the cost of extending D&D support services (project support, NDA, solid waste operations) consistent with delayed/deferred discrete D&D work scope. The EAC does not yet 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: In progress. 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. (ECD: April 2013). 3. DOE-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 (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: July 22, 2013). No other corrective actions are required.

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

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

Overall, the project was 24.7% behind schedule and 11.8% over cost in March. Project performance in March was primarily attributed to RL-0011 due to the effects of delayed, deferred and restricted work efforts previously reported coupled with IROF impacts, continued impacts due to bargaining unit personnel stepping down from Supervisory positions, and the turn down of overtime by bargaining unit personnel; RL-0012 suspension of Annex construction due to funding cuts resulting from Sequestration; RL-0030 due to prior year completion of work planned in FY2013, well drilling delays pending decisions on BC-5 wells 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 -\$32.5 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	\$0.0
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
	Grand Total Adjustments	\$0.0

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-012-13-001R0	<i>Change Order (CO) 186, Garnet Filter Media Removal Phase I</i>	2013	\$36K Add
BCR-013-13-002R0	<i>Realized Risk on WSD-121, WSD-086, WSD-020A, and WSD-135</i>	2013	\$400K Drawdown
BCR-030-13-005R0	<i>Decommissioning of Well 299-E25-236</i>	2015	\$1K Add
(\$363K) of Management Reserve net change in March 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: 4/19/2013	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

March 2013
CHPRC-2013-03, 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	50%
13-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities.	3/28/13	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	35%
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	80%
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 March, the CHPRC Functional Program organizations continued with no recordable injuries, have accumulated over 1,961,833 person hours worked without a recordable injury (two years and nine months), and over 3,165,862 person hours worked (four years and six 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.
 - Continued efforts with Site Occupational Medical Provider to resolve communication and Occupational Health Management (OHM) systems issues.
 - Continued working with other site contractors to establish a consistent approach to ladder inspections.
 - Continued internal Voluntary Protection Program (VPP) assessments at the Project level using the GAP Analysis Tool.
 - Continued efforts in the revision of hazard controls in the Automated Job Hazard Analysis (AJHA) tool.
 - Provide support to Plutonium Finishing Plant (PFP) for beryllium program implementation.
 - Continued participation in the joint site contractor RL Hazard Identification and Control Mentoring Assessment.
 - Developed Computer Based Training for Temperature Extremes.
 - Developed an Exposure Assessment Program.
 - Conducted a review of CHPRC “open” surveys in the Site Wide Industrial Hygiene Database and developed a plan to close “open” surveys belonging to personnel who have left the company.
 - 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 support to Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) personnel for troubleshooting issues associated with contamination survey techniques based on Radiological Work Permit void limits.
 - Met with RL and the Washington State Department of Health on proposed DOE Order 458.1 Authorized Limit for Pu-241. Authorized Limit request letter submitted to RL based on the discussions.
- o Nuclear Safety deliverables prepared and transmitted to RL in March include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1301231, dated March 28, 2013, *Transmittal of the 2013 Annual Update to the Plutonium Finishing Plant Extraction Facility Safety Basis and Unreviewed Safety Question Determination Summary*.
 - Transportation Safety deliverables:
 - Email, dated March 28, 2013, *CHPRC-01959, 212-N Internal Securement*.
 - Nuclear Safety deliverables received from RL in March include:
 - Letter, 13-SED-0039, dated March 5, 2013, *Transmittal of the Evaluation of Safety of the Situation (ESS) and Operability Determination for the Waste Receiving and Processing (WRAP) Facility Unreviewed Safety Question (USQ) Regarding Cracked Glovebox Windows*.
 - Letter, 13-SED-0041, dated March 5, 2013, *Transmittal of the 2012 Annual Update of the Solid Waste Operations Complex (SWOC) Authorization Agreement (AA)*.
 - Letter, 13-SED-0042, dated March 5, 2013, *Transmittal of the 2012 Annual Update to HNF-40627, 200 Area Interim Storage Area (ISA) Documented Safety Analysis (DSA), Revision 1, HNF-48108, 200 Area Interim Storage Area Technical Safety Requirements (TSR) Revision 1, and the Unreviewed Safety Question Determination Summary*.
 - Letter, 13-NSD-0003-RL, dated March 19, 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-0009-RL, dated March 19, 2013, *Approval of Request for Extended Use of Aging High Efficiency Particulate Air (HEPA) Filters in Plutonium Finishing Plant (PFP) Confinement Ventilation System (CVS) Exhaust Filter Rooms (FR) 312 and 315*.
 - Letter, 13-NSD-0006-RL, dated March 22, 2013, *Transmittal of the 2013 Annual Update to the 224-B Facility Documented Safety Analysis (DSA), CP-18179, Revision 7, and the Unreviewed Safety Question Summary*.
 - Transportation Safety deliverables received from RL in March include:
 - Email, dated March 22, 2013, *CE-SPA-PFP-2011-010, CE-2 Multiple Glovebox Assemblies, Revision 2*.
- o Performance Assurance and Quality Assurance
 - Supporting Leadership Development Initiative.
 - Drafted changes to PRC-MP-MS-003, *Integrated Safety Management System/Environmental Management System Description*, as part of the annual update.
 - Supported Apparent Cause Evaluation of issue associated with work package implementation for exhaust fan involving interface with commercial grade dedication process.
 - Provided QA Program briefing to the DOE Inspector General office.

- o Contractor Oversight, Assurance & Reporting (COAR) accomplishments:
 - 256 Conditions Reports were screened in March:
 - 0 Significant
 - 5 Adverse
 - 74 Track Until Fixed (TUF)
 - 58 Trend Only (TO)
 - 117 Opportunity for Improvement (OFI)
 - 2 Screened Out (factually inaccurate, duplicative of existing CRs)
 - Prepared a draft revision to PRC-PRO-QA-052, *Issues Management*, and PRC-PRO-QA-058, *Event Initial Investigation and Critique Meeting Process*.
 - Completed SHS&Q-2013-WSA-12137, *Review of NSPEB Reports for Commonalities*. The assessment reviewed the full round Nuclear Safety and Performance Evaluation Board (NSPEB) reports to identify similar or new areas of common concerns.
 - Draft CHPRC Startup Readiness procedures provided to the PRC Procedure System (PPS) for formatting, review, and approval.
 - Continued evaluations of completed management assessments, selected worksite assessment activities, and provided feedback to assessors and responsible managers.
 - Completed SHS&Q-2013-WSA-12013, verifying SMP 14-7-1 and 14-7-3 implementation at PFP. This SMP KA Lines of Inquiry looked at the planning and scheduling of assessment by both project management and functional organizations to review their management systems implementation. There were no issues identified.
 - Prepared a draft revision to PRC-PRO-QA-24741, *Performance Analysis*.
- o Quality Assurance accomplishments:
 - Completed field work for SHS&Q-2013-AUDIT-12324, *OCRWM Audit* (annual requirement). Four issues and two opportunities for improvement were identified.
 - Drafted QC inspection language for PRC-PRO-WKM-12115, *Work Management* and PRC-PRO-QA-286, *Inspection* to address NSPEB Extent of Condition issues.
 - Provided the second of two Commercial Grade Dedication (CGD) practical application training exercises to all the QA staff.
 - Provided support to the CHPRC CGD quality improvement team in development and review of a new CGD process form.
 - Provided technical support to Ground Water Project in the determination of proper application of the ASME B31.3 piping code to pump and treat facilities.
 - Provided technical support to PFP on the upgrade of a number of facility ventilation system components.
 - Provided training to the CHPRC Work Control Mangers organization on QA Graded Approach, Quality Control Inspection and CGD.
- 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 **Issue:** Supporting new Project Technical Services organization.
Status: Transitioning Emergency Preparedness, Fire Protection, Work Control, and Conduct of Operations.
Action: March completion.

Environmental Program and Strategic Planning (EP&SP)

Environmental Protection

- **Compliance Item Status – Asbestos:**
 - o Continued support to MSA on resolution of the recent site-wide “stop work” regarding asbestos steam lines.
 - o Drafted an “asbestos strategy” diagram and have provided it to the customer for review/comment.
- **Central Waste Complex Box and WRAP Drum Leak Enforcement:** Discussions continue between CHPRC, RL, EPA and Ecology to resolve compliance allegations. The Part A permit for the WRAP facility was revised at the request of and approved by Ecology. Part A permits for the remaining SWOC units are in the process of revision. All parties will review these documents and, once acceptable, Closure Plans for the same units will be drafted.

Environmental Management System

- A schedule for the recertification of the ISO 14001 EMS was established, and the communication plan developed. The pre-audit is set for April 8-11, 2013 and the independent recertification audit is set for June 18-19, 2013.

Environmental Compliance & Quality Assurance (ECQA)

- **Assessments Completed in March**
 - o Environmental Compliance Inspection of Toxic Air Permitting identified one finding:
 - References to Regulatory Criteria/Toxic Air requirements in PRC-RD-EP-15332 are not current (CR-2013-0518)
 - o An Independent Assessment of CERCLA Removal Actions identified six findings and three Opportunities for Improvement (OFI). All six findings are related to records management.
 - o The S&GRP ECO completed a MOP of the 200W P&T Wells C8095 Pipeline. One opportunity for improvement resulted.
 - o The IDF ECO completed a MOP of the IDF site for evaluation of potential Petro Spills. No issues resulted.
- **Assessments in Process**
 - o EQA Surveillance of the 100KW Qualified Process: Sludge Removal End-Point Criteria extended to April 30, 2013.
 - o Management Assessment of WIDS extended to April 30, 2013.
 - o The final report for an Environmental Compliance Inspection of Emergency Planning and Community Right-to-Know (EPCRA) is in factual accuracy review. Due date is April 30, 2013.
 - o The final report for a surveillance of Software Management of EDM Applications is in factual accuracy review. Due date is April 30, 2013.
 - o Planning for an Independent Assessment of the CHPRC Environmental Management System (EMS) was completed and fieldwork is scheduled to begin on April 8, 2013.
- **Assessments upcoming this Quarter**
 - o ECI of NEPA & State NEPA.
 - o ECI of Site Walkdown follow-up.
 - o QA Surveillance of the Management of Radioactive Waste.
 - o ECI of the implementation of Mercury requirements.

Business Services

- **Acquisition Planning**
 - o Continued to update Sequestration Plan as living document for FY2013 sequestration activities including Draft Furlough Plan, Workforce Restructure Plan, and Furlough Procedure.
 - o Continued to support DWF&RS RFP. Participated in Pre-Proposal Conference and Site Tour.

- Solicited feedback from potential bidders on conference and tour. Received 289 questions from bidders to disposition.
- o Drafted new Business Process Guide on Pre-Proposal Conferences based on above experience.
 - **Facilities and Property Management**
 - o The FY2013 physical inventory of Government property, commenced on March 4, 2013. To date, 58.21% of the items and 53.26% of the value has been accounted for with no reported losses.
 - **Human Resources**
 - o Sequestration led to development and communication of a company furlough webpage, and procedure. Responses for frequently asked questions and answers were received from the workforce.
 - o CHPRC Human Resources coordinated Hanford Employee Welfare Trust benefits information sessions for impacted employees of DOE contractors.
 - o Completed exiting involuntary reduction of force (IROF) employees, and bump and roll transfers of HAMTC employees. Total staff reductions were 59 bargaining and seven non-bargaining employees.
 - **Procurement**
 - o For the month of March 2013, the Procurement group awarded 18 new contracts with a total value of \$1.26M, amended 163 existing contracts with a total value of \$17.8M, for a grand total of \$19.9M. Additionally, awarded 212 new material Purchase Orders valued at \$400K to support ongoing project objectives.
 - o At the end of the first 54 months of the PRC, procurement volume has been significant; \$2.03B in contract activity has been recorded with approximately 48.9%, or \$1.0B, in awards to small businesses. This includes 6,127 contract releases, 14,739 Purchase Orders, and 183,911 P-Card transactions.
 - o PERT review preparations continued in March. The internal files review process continued with feedback and updates to procurement staff. Copies of review files requested by the team are being collected and logistics for hosting the team are being put in place. Briefing slides were drafted and handouts prepared for the team.

Prime Contract and Project Integration (PC&PI)

- Contract Compliance & Change Management (CC&CM) worked with the Projects and Functional Organizations to develop CHPRC's response to RL regarding the impacts of the RL March 4, 2013 direction to implement actions necessary to revise planned FY2013 spending and to align with the impacts of reduced funding required by sequestration. The identified impacts will be refined as CHPRC better understands the impacts of the reduced funding, including the impacts of furloughs, involuntary reduction of force (IROF), and impacts associated with other Prime contractors work scope.
- In March, Prime Contracts received and processed five contract modifications (numbers 252, 257, 263, 264, and 265) from RL. Correspondence Review received and determined the distribution for 41 incoming letters/documents from RL and the Contract Compliance Manager reviewed 40 outgoing correspondence packages.
- Prime Contracts worked with the Decommissioning, Waste, Fuels, and Remediation Services (DWF&RS) Project to submit a formal notification of constructive change to RL on February 28, 2013 related to increased requirements for 400 Area WMU's Inspections.
- The Estimating & Program Support activities are described below:
 - o **Sludge Treatment Project (STP)**
 - As noted in prior reports, continued review of change orders and estimated cost for design

- changes associated with the 100K Area Annex construction. Staff estimators continued to develop cost estimates for new/proposed changes, and estimates that support the review and definitization of change orders submitted by 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.
 - o **PFP Closure Project**
 - Initiated preparations and advanced planning for the FY2014 PMB updates specific to demolition work scope elements. The focus of the effort is on refining the technical approach and the supporting basis.
 - o **S&GW Project**
 - Work on the Change Proposal in response to Change Order #221, “100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network” as suspended on March 4, 2013 due to the implementation of Sequestration. Efforts were redirected towards preparation of a “cost to date” Change Proposal to address actual costs incurred prior to the shutdown of the 100-BC-5 Well Drilling Additional Wells and Aquifer Tube Network efforts. A Green Team review was completed on March 27, 2013.
 - o **Safety, Health, Security, & Quality (SHS&Q)**
 - On March 5, 2013, CHPRC provided an initial response to Change Order #206, “Hanford Radiological Health and Safety Document, Revision 1” acknowledging implementation of the change would impact CHPRC. CHPRC’s Rough Order of Magnitude (ROM) estimate of the impacts is approximately \$180K through FY2018. Efforts on development of a Change Proposal in response to the Change Order were initiated in March. A Green Team review was completed on April 1, 2013 and the package is in routing for approval and transmittal to RL.
 - Activities associated with Sage/Timberline estimating software and estimating system administration included the addition of CHPRC direct and subcontract labor planning (PMB) rates to the Sage production database. These rates are used to develop estimates in Sage that support project baseline development.
 - During March, Contract Compliance and Change Management continued to support CHPRC Interface Management in the development of a proposed new Administrative Interface Agreement between WRPS and CHPRC on the demarcation points and roles and responsibilities for surplus steam lines in the 200 East and 200 West Areas.
 - Incorporated sequestration impacts into the PMB
 - Provided reports to RL regarding furlough tracking
 - Developed draft schedules for annual PMB update
 - **Strategic Planning and Integration**
 - o **Interface Management**
 - Revised the CHPRC 2013 SLA with ATL to remove “Prepare Sodium Carbonate” (\$38,710.67) and add “PFP E4 Ventilation Be Wipes” (\$37,949.08).
 - Worked with CHPRC Projects, WRPS, MSA, JCI, and URS to finalize an update to HNF-SD-W049H-ICD-001, Rev 11, 200 Area Treated Effluent Disposal Facility Interface Control Document.
 - Facilitated questions/issues between the CHPRC M&TE Technical Authority and MSA on the contact transition of M&TE Calibration Service to Micro Precision Calibration (MPC) from Energy Northwest.
 - Closed CR-2012-3305, Action 2 - Evaluate the current practice of reviewing and updating Interface Documents for out-of-date information.

- o **Chief Information Officer (CIO)**
 - Implemented the PRC Procedures System (PPS), effectively consolidating over 3,000 procedures into one system that automates the entire procedure process including preparation, review, approvals, and publication.

Project Technical Services (PTS)

- **Operations Program**
 - o The Operations Program provided the FY2013 CHPRC WP&C oversight schedule (Integrated Evaluation Plan) to RL for DOE–HQ use as part of the corrective actions for the Pondonsky Corrective Action Plan to the Defense Nuclear Facility Safety Board.
 - o The Operations Program is completing the implementation plan for the site electrical safety procedure; the program was implemented January 31, 2013 and there have been no implementation issues identified to date.
 - o The Work Management program is undergoing an annual update. Changes are based on project feedback over the year; this includes hazard analysis and guides for both. The Operations Program is currently reconciling comments.
 - o The following Emergency Preparedness (EP) drills were completed in March:
 - March 15, 2013 - Conducted PFP ICP Limited and Event Scene Limited Drill.
 - March 20, 2013 - Conducted CSB Full-up EP Drill.
 - March 21, 2013 - Participated in DOE Limited Tabletop Exercise.
 - March 11, 2013 - Participated in monthly Operations Interface meeting at 100K.
 - March 22, 2013 - Conducted 100K EP Day and Full-up EP Drill (event scene coached).
 - March 26, 2013 - Conducted SGRP no-notice Fire Drill.
 - March 27, 2013 - Conducting SWOC Full-up EP Drill.
- **Training and Procedures**
 - o Implementation of the CHPRC PRC Procedure System (PPS) occurred on March 4, 2013.
 - o Globally Harmonized System training – A CBT training course has been added to training plans and personnel will begin to complete the training as they login to do their annual HGET training. Due date for this training is December 1, 2013. Currently, CHPRC is approximately 79% complete for this training activity.
 - o The revision to the Training Implementation Matrix has completed internal review and approval and is being readied for submittal through official correspondence to DOE-RL for approval.
 - o T&P completed development of four new qualification cards for Nuclear Safety (i.e., Entry Level, Analyst, Engineer, and Manager/Lead). Qual Cards are in the approval process.
- **Central Engineering (CE)**
 - o CE issued the final engineering report, ECR-13-000306/CHPRC-01997, Structural Evaluation of the 105-KE Reactor Stability Due to Soil Excavation around the Walls. This engineering report was prepared in response to the differing conditions identified by CHPRC that the soil around the four sides of the reactor had been excavated to depth of 16 to 20 feet below grade.
 - o CE presented the Delta Design Review RCR comments for the (STP) Engineered Container Retrieval and Transfer System (ECRTS) at the February 28, 2013 Design Review meeting.
 - o CE is assisting the Sludge Treatment Project (STP) as an independent reviewer of I&C deliverables that will be submitted for CD-2/3 approval by the DOE.
 - o CE pursued contact with Waste Treatment Project ventilation engineers to facilitate exchange of information. CE received input on companies familiar with supplying AG-1 equipment to support ECRTS procurement.
 - o CE met with the STP project engineering and the design agent (AREVA/Meier) to resolve structural issues and design changes (DCNs) for the KW Annex building design and construction

- o HEPA Filter System:
 - CE completed the technical evaluation of PFP’s HEPA filter rooms FR-312 and 315. The technical evaluations were submitted to DOE-RL for concurrence in accordance with PRC-PRO-EN-24208, HEPA Filter System Degradation Evaluation Process. Approval was received from the DOE-RL for the extended use of HEPA Filters installed in PFP Filter Rooms 312 and 315.
 - CE provided a draft technical bases document to the PFP justifying the extension of HEPA filters for the Plutonium Reclamation Facility Filter Banks B, C, and D.
 - CE provided a draft technical bases document to the PFP justifying the extension of HEPA filters for Filter box 25.
- **Project Delivery**
 - o The KW Annex Project continued performing field safe condition lay-up activities this week. Some construction base work activities are continuing to completion due to the large trenches that were excavated before notice of budget cuts to the project. Completing construction and backfilling will allow the trenches to be backfilled eliminating field hazards.
 - o The S&GRP Capital Asset Project was awarded the Tri-Cities Project Management Institute Chapter Project of the Year for 2012. Central Engineering (CE) and EPC Project Management contributed to the preparation of the S&GRP Capital Asset Project submittal for the Tri-Cities Chapter Project of the Year. CE was a key member of the presentation team at the Project of the Year (POY) banquet on March 22, 2013.
 - o Project Delivery completed the soil sampling portion of the Trench 94 task in support of upgrading Trench 94 to receive additional reactor cores for storage in FY2014 and beyond.

Communications

- **Internal**
 - o Produced two episodes of InSite, the internal weekly news broadcast including segments on the new procedure system, an efficiency with the pump and treat systems, and the printer optimization challenge
 - o Produced four issues of the Weekly Update, the weekly news bulletin, with manager messages from Stan Bensussen, Chief Legal Counsel; John Fulton, President and Chief Executive Officer; Mark Wright, Project Technical Services Vice President;
 - o Received first place for a poster highlighting waste management cost savings and efficiencies at the 2013 Waste Management Symposiums
 - o Launched internet site featuring sequestration and furlough news that made resources available for all employees
- **Media**
 - o Supported RL and responded to media inquiries regarding the sequestration and furlough announcements and collective bargaining agreement negotiations
 - o Videos on CHPRC’s enhanced emergency trailers, award-winning respiratory protection and the new “one-switch wonder” pump and treat efficiency were feature on RL’s social media sites
- **Public Involvement**
 - o Supported RL's preparation for the April Hanford Advisory Board River and Plateau Committee meeting. CHPRC-related agenda topics included the 300-Area Remedial Investigation/Feasibility Study (RI/FS) and Proposed Plan (PP), the 100-F/IU Area RI/FS/PP, and the 100-D/H Area RI/FS/PP.

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	2.2%
Safety, Health, Security and Quality	1.1	1.1	1.1	0.0	0.0%	0.1	6.6%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	(0.0)	-15.3%
Business Services	1.6	1.6	1.7	0.0	0.0%	(0.1)	-3.4%
Prime Contract and Project Integration	1.6	1.6	1.5	0.0	0.0%	0.1	7.4%
Project Technical Services	0.6	0.6	0.6	0.0	0.0%	(0.0)	-3.6%
Indirect WBS 000 Total	5.3	5.3	5.2	0.0	0.0%	0.1	1.5%

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: (+\$0.1M/+1.5%)

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	0.5	0.5	0.5	0.0	0.0%	(0.0)	0.1%	1.0
Safety, Health, Security and Quality	6.8	6.8	6.6	0.0	0.0%	0.2	3.2%	14.3
Environmental Program and Strategic Planning	1.8	1.8	1.9	0.0	0.0%	(0.2)	-10.4%	3.9
Business Services	9.6	9.6	9.9	0.0	0.0%	(0.2)	-2.3%	20.2
Prime Contract and Project Integration	9.7	9.7	9.2	0.0	0.0%	0.5	5.2%	21.3
Project Technical Services	3.3	3.3	3.0	0.0	0.0%	0.3	8.4%	6.9
Indirect WBS 000 Total	31.6	31.6	31.0	0.0	0.0%	0.6	1.9%	67.6

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

FYTD Cost Performance: (+\$0.6M/+1.9%)

Variance is within reporting thresholds.

Baseline Change Requests

BCRA-PRC-13-005R0 – *FY2013 Sequestration*

BCRA-PRC-13-006R0 – *Fee/Contract Alignment*

