CH2MHILL
Plateau Remediation Company

Monthly Performance Report

J. C. Fulton
President and Chief Executive Officer

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March 2014

CHPRC-2014-03, Rev. 0

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PROJECT BASELINE SUMMARY SECTIONS

APPENDICES

EXECUTIVE SUMMARY

- CHPRC received notification from the Department of Energy Headquarters (DOE-HQ) that the company has received Star status in the Department of Energy (DOE) Voluntary Protection Program (VPP).
- CHPRC hosted a quarterly all-employee meeting to share safety, progress and successes from across the project. Utilizing sustainable event management practices, the event generated zero waste. Hosting environmentally responsible events is one of CHPRC's Environmental Management System (EMS) targets and objectives.
- Safe, compliant progress toward demolition to slab-on-grade continued at the Plutonium Finishing Plant (PFP) with the dispositioning of 3 gloveboxes, bringing the total gloveboxes removed or dispositioned in place to 201, or 87 percent of the total.
- The Decommissioning, Waste, Fuels & Remediation Services Project (DWF&RS) applied protective covers to 18 waste boxes stored in Central Waste Complex (CWC) Outside Storage Area (OSA) in support of Washington Department of Ecology Agreed Order (AO).
- The Soil and Groundwater Remediation Project (S&GRP) reached the halfway point toward the FY2014 Key Performance Goal of treating 1.8 billion gallons of contaminated groundwater.
- The Sludge Treatment Project (STP) continued work on construction of the K-West Annex, including initiating installation of mezzanine steel.

PFP crews prepare a glovebox for shipment to Perma-Fix Northwest.

Collecting soil samples

Focus on Safety

- The President's Zero Accident Council (PZAC) meeting for March 2014 was hosted by the Safety, Health, Security, and Quality (SHS&Q) organization. The three main themes of the meeting were:
  - Personal Protective Equipment (PPE)
  - Protecting Ourselves and Others
  - Voluntary Protection Program (VPP) - The Journey Continues

  The first presentation was a personal account addressing the topic of head protection. The presenter confessed she donned a helmet for the first time while skiing in an effort to be an example to her grandchildren. When the helmet proved handy for shielding her noggin without impeding her ability to see or hear, she became a believer and shared the benefits of sports head protection.

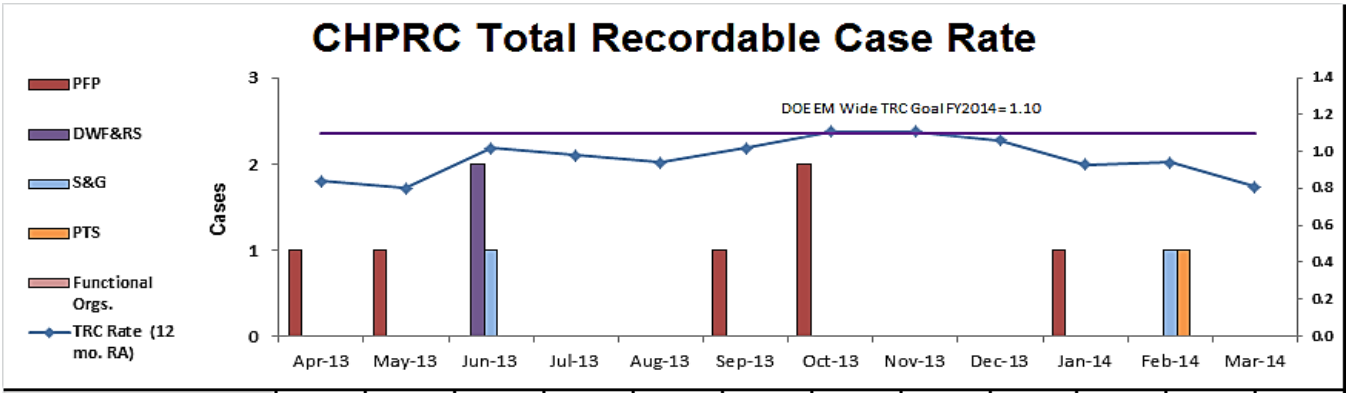
  The next presentation was a sobering lesson in how to safeguard your life and those around you if confronted at work by an active shooter. When the unthinkable happens, it is imperative to know what to do: run, hide, or fight. The presentation included two excellent videos, one that pulled no punches in showing what is at stake and how to survive an intruder's assault, and a second video that was specific to the Hanford site. The Environmental Management System (EMS) presentation introduced CHPRC's own travelling gnome, a small statue of a bearded elf guarding the green creed with the Reuse-Reduce-Recycle logo prominently displayed on his little pointed hat. The intent of the Green Gnome is to present it each month to the organization caught being green in true EMS fashion. The 100K/STP Employee Zero Accident Council became the first gnome home as they were recognized for their good green works. The VPP presentation introduced the new communication campaign reminding the workforce that the journey continues even after achieving Star status. The best way to defend the Star is to continuously improve as everyone works safely and looks out for each other. The balance of the meeting included Stretch and Flex, an injury report, the safety performance review and Good News Stories.
- On March 18th, CHPRC received the official congratulation from Department of Energy Health, Safety and Security (DOE-HSS) for its pursuit of excellence in health and safety and for achieving recognition at the Star level. The correspondence stated CHPRC has made significant improvements in its safety programs and highlighted management leadership and employee involvement as strong elements. SHS&Q Vice President Terry Vaughn issued an all employee message announcing the VPP Star recognition, congratulated the workforce for the accomplishment, thanked the VPP Champions for their efforts, and encouraged everyone to stay diligent and continuously improve.

- Five "*Thinking Target Zero*" (TTZ) bulletins were published in March to convey important occupational safety, health and environmental messages:
  - Foot PPE
  - Eye PPE
  - Head Protection
  - VPP - 10 CFR 851
  - Wind
- March *Weekly Safety Tailgate* briefing packages communicated relevant topics and safety information to the workforce:

  - Vehicle Safety Accountability
  - OSHA and 10 CFR 851 Posters
  - Hanford Site Excavation Permitting Process
  - Noise PPE
  - Facility Security
  - Protecting Those Eyes
  - Driving Off-Road
  - Microwave Oven Safety
  - Preparing for Heat Stress
  - VPP STAR – You Did It!
  - "What Would You Do?" Ethics Awareness messages
  - Injury/Illness Summaries and the TTZ of the week.
- The CHPRC Weekly Updates for March included a message from CEO John Fulton communicating the CHPRC Excellence Awards. The awards were designed to recognize excellence in five categories: Safety, Project, People, Customer and Community. The Safety Excellence Award recognizes the employee or team of employees who upholds the CHPRC ISMS/EMS/VPP safety culture, makes a notable commitment to do work safely, and aligns efforts with VPP. The message informed the workforce that award recipients would be recognized at the March all-employee meeting.
- An all-employee meeting was held March 27th and was a rousing success. The meeting was well attended and was different from previous all-employee meetings by engaging the audience in several interactive opportunities. As is the practice of CHPRC, the meeting was planned as a Zero Waste event and indeed 100 percent of the waste generated at the meeting was recycled, cleaned for reuse, or otherwise diverted from the landfill. To kick off the meeting, Terry Vaughn officially announced CHPRC's designation as a DOE-VPP Star status site. In addition, carpenter Karin Flannery and the CHPRC VPP Champions Team each received the first ever CHPRC Safety Excellence Awards and seven other nominees were recognized for their contributions to safety.

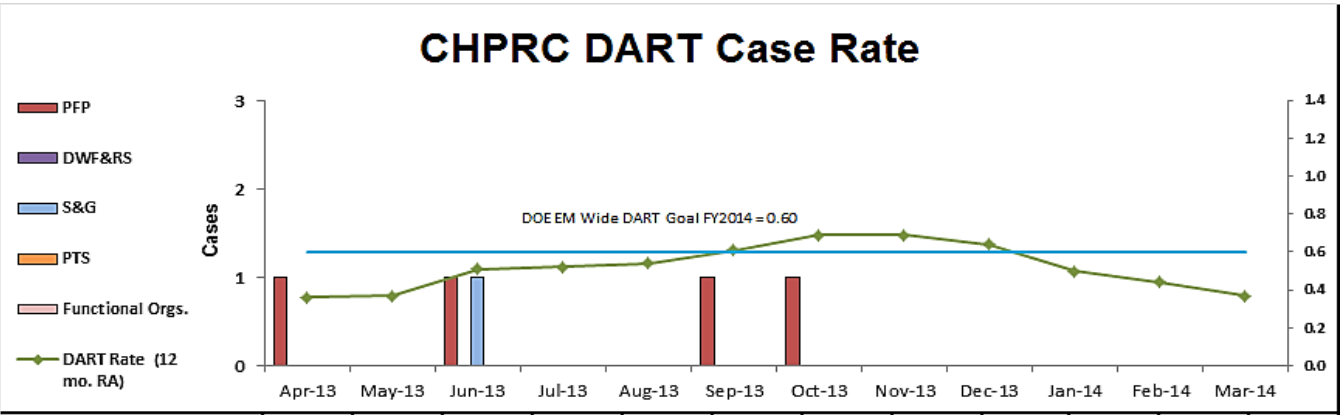
TARGET ZERO PERFORMANCE
March 2014

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



	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14
PFP	1	1	0	0	0	1	2	0	0	1	0	0
DWF&RS	0	0	2	0	0	0	0	0	0	0	0	0
S&G	0	0	1	0	0	0	0	0	0	0	1	0
PTS	0	0	0	0	0	0	0	0	0	0	1	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
Recordable Cases	**1**	**1**	**3**	**0**	**0**	**1**	**2**	**0**	**0**	**1**	**2**	**0**
TRC Rate (12 mo. RA)	**0.84**	**0.80**	**1.02**	**0.98**	**0.94**	**1.02**	**1.11**	**1.11**	**1.06**	**0.93**	**0.94**	**0.81**

Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.81 is based on a total of 11 recordable injuries (6 recordable and 5 DART cases). There was one February case upgraded to Recordable. There were no Recordable cases in March and no cases being evaluated/ investigated.

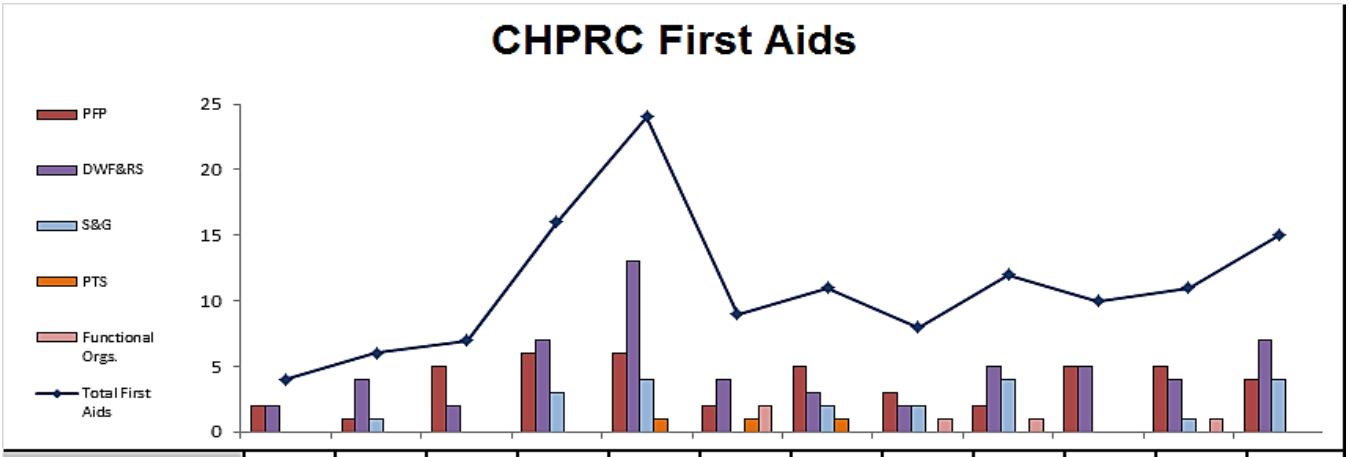


	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14
PFP	1	0	1	0	0	1	1	0	0	0	0	0
DWF&RS	0	0	0	0	0	0	0	0	0	0	0	0
S&G	0	0	1	0	0	0	0	0	0	0	0	0
PTS	0	0	0	0	0	0	0	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	0	0	0	0	0	0	0
DART Cases	**1**	**0**	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**
DART Rate (12 mo. RA)	**0.36**	**0.37**	**0.51**	**0.52**	**0.54**	**0.61**	**0.69**	**0.69**	**0.64**	**0.50**	**0.44**	**0.37**

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.37 is based upon a total of five Days Away cases. There were no DART cases in March 2014.

Actions to address Recordable & DART injuries include: Developed briefing materials for supervisors to help them better understand and manage occupational injuries and illnesses; safety communication campaign emphasizing injury precursors and reduction techniques for common injury types; working closely with site medical provider to provide ergonomic review and recommendations to prevent strains and soft tissue injuries.

NOTE: The DOE-EM TRC rate goal is unchanged (1.1) and the DOE-EM DART rate goal is also unchanged (0.6) for FY2014.
* 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.



	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14
PFP	2	1	5	6	6	2	5	3	2	5	5	4
DWF&RS	2	4	2	7	13	4	3	2	5	5	4	7
S&G	0	1	0	3	4	0	2	2	4	0	1	4
PTS	0	0	0	0	1	1	1	0	0	0	0	0
Functional Orgs.	0	0	0	0	0	2	0	1	1	0	1	0
Total First Aids	**4**	**6**	**7**	**16**	**24**	**9**	**11**	**8**	**12**	**10**	**11**	**15**

First Aid Case Summary – CHPRC reported 15 first-aid cases in March 2014; of these 15 cases, 5 cases required no treatment. An additional two cases were self-treated. The contributors were seven Sprains/Strains/Pains, five abrasions/contusions, two miscellaneous injuries and one insect bite.

KEY ACCOMPLISHMENTS

Projects

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

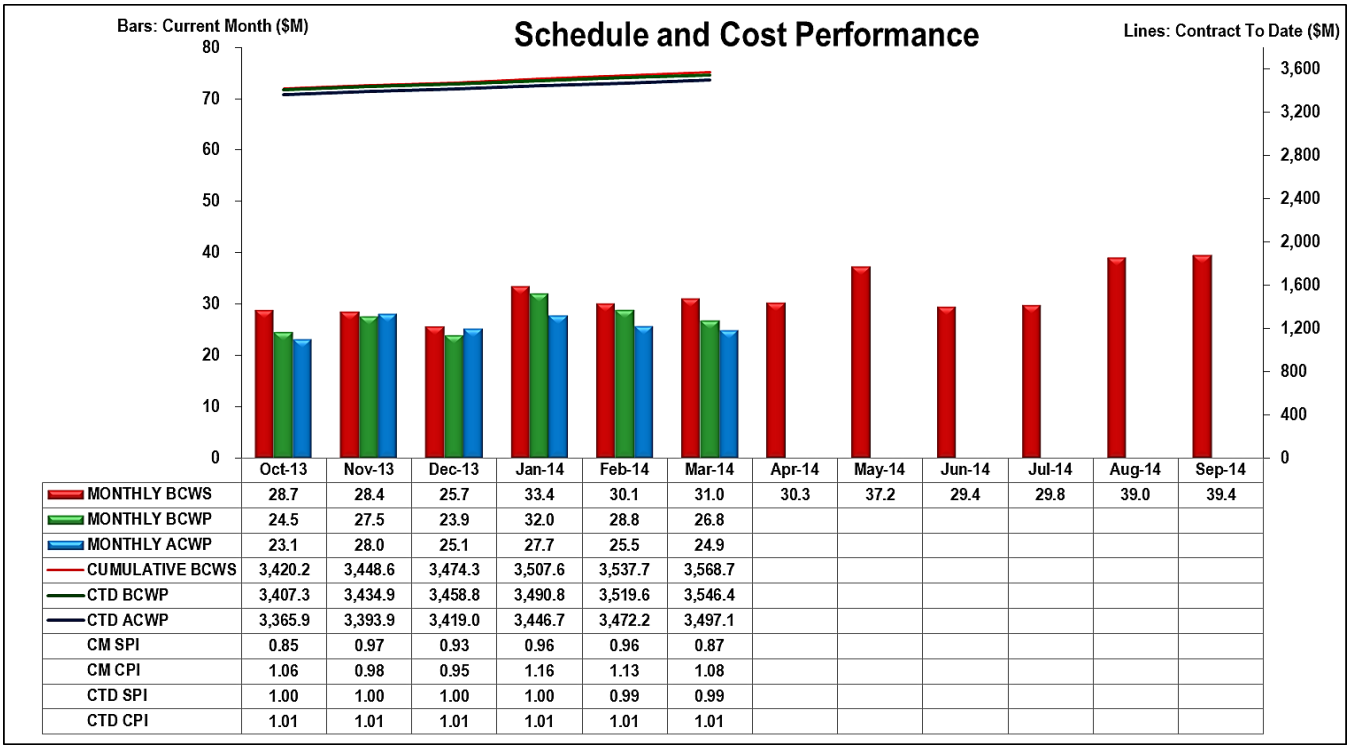
Project Services and Support

- 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



	Oct-13	Nov-13	Dec-13	Jan-14	Feb-14	Mar-14	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
MONTHLY BCWS	28.7	28.4	25.7	33.4	30.1	31.0	30.3	37.2	29.4	29.8	39.0	39.4
MONTHLY BCWP	24.5	27.5	23.9	32.0	28.8	26.8						
MONTHLY ACWP	23.1	28.0	25.1	27.7	25.5	24.9						
CUMULATIVE BCWS	3,420.2	3,448.6	3,474.3	3,507.6	3,537.7	3,568.7						
CTD BCWP	3,407.3	3,434.9	3,458.8	3,490.8	3,519.6	3,546.4						
CTD ACWP	3,365.9	3,393.9	3,419.0	3,446.7	3,472.2	3,497.1						
CM SPI	0.85	0.97	0.93	0.96	0.96	0.87						
CM CPI	1.06	0.98	0.95	1.16	1.13	1.08						
CTD SPI	1.00	1.00	1.00	1.00	0.99	0.99						
CTD CPI	1.01	1.01	1.01	1.01	1.01	1.01						

	$M Current Period					$M Contract to Date					$M Contract Period		
	Budgeted Cost		Actual Cost	Variance		Budgeted Cost		Actual Cost	Variance				
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	9.2	5.3	7.0	(3.8)	(1.7)	673.8	652.6	685.5	(21.1)	(32.9)	933.4	950.7	(17.3)
RL-0012 - SNF Stabilization & Disposition	4.3	3.9	4.0	(0.4)	(0.1)	408.6	407.8	417.4	(0.8)	(9.6)	690.9	699.6	(8.7)
RL-0013 - Solid Waste Stab & Disposition	7.3	7.2	5.5	(0.1)	1.7	830.8	831.0	805.1	0.2	25.9	1,341.8	1,268.7	73.1
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	8.2	8.6	7.1	0.4	1.5	950.9	951.2	942.3	0.3	8.9	1,510.8	1,498.7	12.2
RL-0040 - Nuc Fac D&D - Remainder	1.2	0.9	0.9	(0.2)	0.1	382.2	381.3	351.4	(1.0)	29.9	491.8	460.1	31.7
RL-0041 - Nuc Fac D&D - RC Closure Project	0.7	0.8	0.2	0.1	0.6	305.3	305.4	280.9	0.1	24.5	392.9	369.2	23.8
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.2	0.0	0.0	17.1	17.1	14.6	0.0	2.5	26.5	24.2	2.3
(Numbers are rounded to the nearest $0.1M) Total	31.0	26.8	24.9	(4.2)	1.9	3,568.7	3,546.4	3,497.1	(22.3)	49.3	5,388.1	5,271.1	117.1

Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of $117.1M with $83.6M of Management Reserve for a total positive variance of $200.7M. For March, the project was 13.5 percent behind schedule and 7.2 percent under planned cost. Schedule performance in March was primarily due to:

- RL-0011 – Re-sequencing work in the 242-Z Americium Facility, to align with the availability of D&D workers, which has delayed preparations and initial entry activities in support of 242-Z D&D activities. The 234-5Z duct level work has been re-planned to align with an area vs. system approach and a change in the PFP demolition sequence changing the need for work in the duct level to start later in the Fiscal Year. Ventilation issues, work package modifications, more extensive high gram RMA/RMC glove box decontamination, NDA efforts, and the project-wide

Beryllium Stop Work are also contributing to this negative variance. Apportioned activities in the D&D Project Support account that align with the delays in D&D work scope (primarily balance of 234-5Z work scope), unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing Pencil Tank 38-Failed, are also contributing to this variance.

- The positive cost variance in March was primarily attributed to realization of planned efficiencies in multiple projects.

FUNDING ANALYSIS
FY2014 Funds vs. Fiscal Year Spend Forecast ($M)

		FY2014		
PBS	Project	Projected Funding	Spending Forecast	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	106.9	98.9	8.0
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	72.2	70.7	1.5
RL-0013	Waste and Fuels Management Project	83.9	82.5	1.4
RL-0030	Soil, Groundwater and Vadose Zone Remediation	121.5	118.8	2.6
RL-0040	Nuclear Facility D&D, Remainder of Hanford	13.2	12.7	0.5
RL-0041	Nuclear Facility D&D, River Corridor	10.1	7.4	2.6
RL-0042	Fast Flux Test Facility Closure	2.3	1.7	0.6
	Total Base:	**410.0**	**392.7**	**17.3**

Funds/Variance Analysis:

FY 2014 Projected Funding did not change in March and remains at $410.0M.

BASELINE CHANGE REQUESTS

In March 2014, CHPRC approved and implemented eight (8) BCRs. The change requests are identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for March 2014		
BCR-013-14-008R0	*Prepare Acquisition Strategy and RFP for WESF Dry Storage*	This BCR implements DOE-RL direction to perform Prime Contract work scope from CLIN 4 associated with WESF Dry Storage preparation by September 30, 2014. This BCR did not change the value of the PMB.
BCR-013-14-009R0	*Incorporate NTE for CO #228, Activities in Support of Ecology Agreed Order*	This BCR implements Contract Modification (CM) #321, Change Order (CO) #228, Activities in Support of Ecology Agreed Order, and the associated Not to Exceed (NTE) value of $1,100K (unburdened). This BCR increased the PMB by $1,215K.
BCR-013-14-010R0	*Incorporate NTE for CO #236, Retention Transfer System Transfer to WCH*	This BCR implements DOE-RL direction provided by letter number 1305150A , which included CO #236, 310 Retention Transfer System (RTS) Facility Transition to the Washington Closure Hanford LLC (WCH) and the associated NTE of $75K (unburdened), to proceed with scope necessary for the preparation of the 310 RTS for eventual transition to WCH This change increased the PMB by $91K.
BCR-030-14-002R1	*Incorporate NTE for CO #246, UP-1 Technical Feasibility Evaluation for Implementation of Uranium Treatment at 200W P&T*	This BCR implements DOE-RL direction provided by letter number 1305199A.2, to revise the NTE amount for CO #246 issued in CM #303, from $300,000 to $500,000. The NTE increase supports the continued preparation of a technical feasibility evaluation for implementation of uranium treatment at 200 West P&T during FY 2014. This change increased the PMB by $178K.
BCR-030-14-006R0	*Adapt EIS Model for Groundwater OU Application*	This BCR implements DOE-RL direction to perform "buy-back" scope early via letter number 1400609, DOE-RL Authorization - CHPRC Buy-Back List - FY2014 / Work Authorization / 14-PIC-00061. The work scope has been segregated and re-planned in a new control account. This BCR did not change the value of the PMB.
BCR-041-14-001R0	*Transfer of Work Scope from CLIN 7 to Capital Asset Project*	This BCR implements DOE-RL direction provided by letter number 1400610, DOE-RL Authorization - CHPRC Buy-Back List – FY 2014 – CLIN 7 & CLIN 4 / Work Authorization / 14-PIC-0006. Budget was added to the PMB from CLIN 7, for 105KE Roof Repair and 100-K Waste Site Area AM. This change increased the PMB by $2,469K.
BCR-PRC-14-007R0	*Transfer of Work Scope from CLIN 7*	This change requests adds scope in accordance with direction from DOE-RL, Correspondence number 1400610, DOE-RL Authorization - CHPRC Buy-Back List – FY 2014 – CLIN 7 & CLIN 4 / Work Authorization / 14-PIC-0006. Budget was added to the PMB from CLIN 7 for Roof Repair of 252AB and 291S structures, Contamination Investigation at PUREX, and Inclusion of the applicable 200 West structures under a Tier II EE/CA. This change increased the PMB by $2,385K.
BCRA-011-14-002R1	*Chemical Mitigation Draining Activities*	Revision 1 to BCRA-011-14-002 corrects errors in the schedule narrative. This BCR did not change the value of the PMB.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	*N/A*	2014 - 2018	N/A

There were no changes to Management Reserve during March.

Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	*N/A*	2014 - 2018	N/A

There were no changes to Fee during March.

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

March 2014 Summary of Changes

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
February 2014 Estimate									
PMB	3,391,477	378,052	434,125	423,382	372,722	382,041	1,990,322	5,381,798	5,381,798
MR	0	5,000	7,250	21,000	21,000	29,300	83,550	83,550	83,550
Fee	155,504	14,200	13,480	19,800	8,800	16,600	72,880	228,384	228,384
Total	***3,546,981***	***397,252***	***454,856***	***464,182***	***402,522***	***427,940***	***2,146,752***	***5,693,732***	***5,693,732***
March 2014 Change									
PMB									
Change to PMB	***0***	***4,267***	***0***	***2,071***	***0***	***0***	***6,338***	***6,338***	***6,338***
MR									
Change to MR	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Fee									
Change to Fee	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
Total Change	***0***	***4,267***	***0***	***2,071***	***0***	***0***	***6,338***	***6,338***	***6,338***
March 2014 Estimate									
PMB	3,391,477	382,319	434,125	425,453	372,722	382,041	1,996,660	5,388,137	5,388,137
MR	0	5,000	7,250	21,000	21,000	29,300	83,550	83,550	83,550
Fee	155,504	14,200	13,480	19,800	8,800	16,600	72,880	228,384	228,384
Total	***3,546,981***	***401,519***	***454,856***	***466,253***	***402,522***	***427,940***	***2,153,090***	***5,700,071***	***5,700,071***

Changes to/Utilization of Management Reserve in March 2014

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
February 2014 MR Totals								
RL-0011	0	1,800	3,000	8,000	8,000	0	20,800	20,800
RL-0012	0	1,300	2,000	3,000	5,000	4,200	15,500	15,500
RL-0013	0	500	500	2,000	800	6,500	10,300	10,300
RL-0030	0	750	1,000	3,000	2,500	7,500	14,750	14,750
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
Total	***0***	***5,000***	***7,250***	***21,000***	***21,000***	***29,300***	***83,550***	***83,550***
March 2014 MR Changes/Utilization								
RL-0011	0	0	0	0	0	0	0	0
RL-0012	0	0	0	0	0	0	0	0
RL-0013	0	0	0	0	0	0	0	0
RL-0030	0	0	0	0	0	0	0	0
RL-0040	0	0	0	0	0	0	0	0
RL-0041	0	0	0	0	0	0	0	0
RL-0042	0	0	0	0	0	0	0	0
Total	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***
March 2014 MR Totals								
RL-0011	0	1,800	3,000	8,000	8,000	0	20,800	20,800
RL-0012	0	1,300	2,000	3,000	5,000	4,200	15,500	15,500
RL-0013	0	500	500	2,000	800	6,500	10,300	10,300
RL-0030	0	750	1,000	3,000	2,500	7,500	14,750	14,750
RL-0040	0	300	400	1,500	1,800	4,000	8,000	8,000
RL-0041	0	300	300	3,450	2,800	7,000	13,850	13,850
RL-0042	0	50	50	50	100	100	350	350
Total	***0***	***5,000***	***7,250***	***21,000***	***21,000***	***29,300***	***83,550***	***83,550***

SELF-PERFORMED WORK

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

Contract-to-Date Actual Awards & Mods 10/1/2008 -3/31/2014				Projection to FY2018	
				Planned Subcontracting:	$2,406,850,560
				Contract-to-date awards:	$2,079,479,164
Reporting Category				Bal remaining to award:	$327,371,396
	$ Value	%	Goal %	Goal award$	Bal to Goal
SB	$1,030,125,629	49.54%	49.3%	$1,186,577,326	156,451,697
SDB	$179,275,621	8.62%	8.2%	$197,361,746	18,086,125
SWOB	$199,704,072	9.60%	7.5%	$180,513,792	(19,190,280)
HUB	$36,178,579	1.74%	2.2%	$52,950,712	16,772,134
VOSB	$119,269,431	5.74%	3.5%	$84,239,770	(35,029,661)
SDVO	$56,016,144	2.69%	1.3%	$31,289,057	(24,727,087)
NAB	$24,497,053	1.18%	N/A		
Large	$560,654,587	26.96%	N/A	PRC clause H.20 small business requirement	
GOVT	$2,129,828	0.10%	N/A	≥ 17% of total Contract Price performed by SB.	
GOVT CONT	$482,866,522	23.22%	N/A		
EDUCATION	$91,375	0.00%	N/A	Total Contract (mod 329)	5,696,818,974
NONPROFIT_	$3,400,370	0.16%	N/A	17% rqmt:	968,459,226
FOREIGN	$210,853	0.01%	N/A	SB actual:	1,030,125,629
Total	**$2,079,479,164**	**100.00%**	**N/A**	**Bal to rqmt**	**(61,666,404)**

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over $2.07B in goods and services with over 49.5 percent going to small businesses. Nearly all subcontracting goals have been exceeded.
2. Approximately 93 percent of the total dollars arise from service and staffing contracts and contract amendments with five percent of the remaining expenditures arising from P-Card purchases and the balance in purchase orders for materials and equipment.
3. 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)

CH2MHILL
Plateau Remediation Company

J. M. Swartz
Vice President for
PFP Closure Project

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The Plutonium Finishing Plant (PFP) Closure Project continues to maintain PFP facilities compliant with authorization agreement requirements.
- The project is currently undergoing a revision of the field execution schedule to assist the project in better execution to the Performance Measurement Baseline. As part of this effort Metrics are being developed and will begin to be socialized in the Project Summary starting in May, 2014.

Key Performance Indicators	*Current Month*	*Contract To Date*
Glovebox/ Hood Removed or Dispositioned in Place	3	201 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	-	17,491 feet
Process Vacuum Piping Dispositioned	-	2,545 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed	5	130 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	- m^3	42 m^3
TRU/TRU-M Shipped	25 m^3	1,237 m^3
LLW/MLLW Shipped	21 m^3	4,435 m^3

- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes, associated piping, and ductwork. The total gloveboxes removed to date is now at 87 percent complete.
- During the month of March, three gloveboxes were removed from E4 ventilation in Room 228C (HC-17DC, HC-17P, and HC-17SBB).
- Seal out of Pencil Tank 16 was completed and disposition of Pencil Tank 38(Failed) (5 Units) was dispositioned in the month of March.
- Size reduction efforts for Pencil Tank 31/28 were initiated.
- Continued Plutonium Reclamation Facility (PRF) Miscellaneous Treatment (MT) Glovebox Isolation. Performed hood sweeps in west section of MT-3. Completed wet wipes in west lower section of MT-3 and completed NDA. Performed hood sweeps in upper section of MT-4. Performed hood sweeps, vacuuming and wet wipes in MT-5. Completed NDA of MT-5. Sanded and identified hot spots in MT-6.

EMS Objectives and Target Status

Objective #	Objective	Targets	Actions to Achieve Targets	Due Date	Status
14-EMS-PFP-OB2-T1	Establish/verify NESHAP compliance under CERCLA for a major emissions unit	Provide basis for minimum requirements based on lesson learned from the Federal Government shutdown and NESHAP compliance matrix for 291-Z-1 stack under CERCLA	Obtain current DOH inspection check list and determine applicability to 291-Z-1	12/31/13	Completed 12/19/13
			Combine applicable parts of past air license compliance matrix and internal NESHAP inspection checklist	3/31/14	Completed 3/31/14
			Develop a basis for minimum required maintenance activities for 291-Z-1 and incorporate into document from action #2.	6/30/14	On schedule
			Obtain concurrence from Central EP&SP	9/30/14	On schedule
14-EMS-PFP-OB1-T1	Demonstrate compliance with all asbestos requirements that are pertinent to PFP	Establish a defensible and conservative asbestos compliance program at PFP that will stand up to the scrutiny of federal, state and local regulators	Review & comment on development of the new CHPRC level asbestos Regulatory Analysis Memorandum (CERCLA based).	12/12/13	Completed 12/12/13
			Review & comment on the modification of an existing asbestos characterization plan Desk Instruction (DI)	1/31/14	Completed 2/24/14
			ECO asbestos requirements education and training.	7/31/14	On schedule

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	3	N/A
Total Recordable Injuries	0	6	N/A
First Aid Cases	4	46	• 3/10/2014 - Employee experienced discomfort and pain in right wrist while performing normal computer activities (23329) • 3/13/2014 - Employee hit elbow on ladder while moving boxes (23332) • 3/25/2014 - Employee moving planking fell forward onto his left knee with his right leg pulled behind him, resulting in a sprain/strain to his left lower back lumbar (23340) • 3/31/2014 - Employee performing outside support work was bitten by insect (23345)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

11.02 Maintain Safe & Compliant PFP

- Completed implementation of Revision 9 of the Documented Safety Analysis and Technical Safety Requirements.
- Released CHPRC-02160, *PFP Ventilation System Test Report.* The report documents exhaust fan operating characteristics; establishes maximum allowable 291-Z exhaust fan and fan motor operating levels, and makes recommendations regarding minimum number of in-service exhaust fans.
- Drafted Revision 2 of the HNF-51021 291-Z exhaust fan enhanced maintenance plan and submitted it to RL to address previous RL review comments and reflect information gathered in development of the CHPRC-02160 system test report.
- Submitted Condition of Approval directed DSA and TSR changes for a 291-Z exhaust fan maintenance program to RL for approval.
- Completed annual grease replacement/bearing inspection and belt and sheave inspection for EF-3 as part of the enhanced maintenance plan utilizing the new maintenance procedures.

11.05 Disposition PFP Facility

242-Z

- Preparations were initiated to ready for training on the PreMaire Breathing Air system for the month of April.
- Work package preparations continued in anticipation of initiation of field work activities in June, 2014.

RMA

- For the HA-9A glovebox (GB) in Room 235-A3:
  - Completed wipe downs of all levels of Glovebox.
  - Completed NDA of all Glovebox levels and E4 duct.

RMC

- For the HC-17SBB, -17P, -17DC/HC-1G glovebox assembly in Room 228-C:
  - Separated and removed HC-17 GB's from RMC line.
- For the HC-9B, HC-7C GB's in Room 228-A:
  - Continued waste seal-outs in HC-9B.
  - Prepped for HC-7C chemical line draining and removal.

Backside Rooms

- Room 169 HA-40F GB D&D effort:
  - Completed furnace downsizing
  - Completed wipe downs and painting
  - Removed Glovebox legs and support structure and placed on lift table. Separated GB from E4 ventilation and removed from room.

Plutonium Reclamation Facility (PRF)

- Pencil Tank Size-Reduction
  - Dispositioned Pencil Tank 38(Failed).
  - Completed seal-out of Pencil Tank 16 (five units).
  - Began size reduction of Pencil Tank 31/28A.
- Miscellaneous Treatment Glovebox Isolation
  - Performed hood sweeps in west section of MT-3. Completed wet wipes in west lower section of MT-3 and completed NDA.
  - Performed hood sweeps in upper section of MT-4.
  - Performed hood sweeps, vacuuming and wet wipes in MT-5. Completed NDA of MT-5.
  - Sanded identified hot spots in MT-6.

MAJOR ISSUES

Issue – Hazards associated with utilization of a foaming agent for fixing contamination in gloveboxes result in an exothermic reaction that could cause a self-ignition - When polyurethane foams react, the result is in an exothermic reaction that could cause a self-ignition. To understand the potential impacts of fire concerns, two densities of fire retardant foam were evaluated (2lb; 6lb) at Southwest Research Institute (SWRI). The Hughes Associates Inc. (HAI) report recommended that a single large volume pour test be performed to fully understand the potential for self-ignition events. CHPRC/PFP has determined that this test is not necessary.

The following, not related directly to the exothermic reaction, are general fire concerns:

1. The foam products tested represent a significant fire hazard. Even with the fire retardants added, the foam will be consumed in a fire event. The HAI report recommended that foamed gloveboxes be protected from exposure fire with non-combustible materials.
2. In addition to the fire hazard, the foam products produce a significant quantity of soot when burned. Will need to re-evaluate the soot loading calculations and incorporate information into the FHA and DSA. This calculation derives the required number of on-line HEPA filter rooms.
3. As a result of the HAI report, RL is recommending that other, non-combustible products be evaluated.

Corrective Action – PFP will evaluate HAI recommendations and will also ensure to follow the manufacturer's procedures to safely deploy foam in lifts that are ≤18" in rise and allow subsequent cure times between lifts. PFP will also monitor the exothermic reactions during the second mockup demonstration conducted at ERDF. Alternatives analysis will be based on the results and conclusions of the Hazards Analysis. PFP will also evaluate additional alternate foaming agents to reduce the concerns with off gases and exothermic reaction that could cause a self-ignition.

Status – During the month of March, the Initiative to implement capabilities to foam components within 234-5Z, 242-Z, and 236-Z progressed.

- Continued revision to the Fire Hazard Analysis
- Developed Statement of Work for demonstration/mock-up foam pours.
- Finalized evaluation of toxicological hazards associated with cementations foam materials

Issue – Inability to accomplish two Breathing Air entries per day into the 242-Z Americium Facility due to usage of Bottle Carts versus Use of Larger Breathing Air Compressors - During a Value Engineering (VE) study that was conducted in the spring of 2013, an initiative began to procure breathing air compressors and Level B encapsulating suits with PremAire respirators to support intrusive entries when working in the 242-Z Americium Facility.

Corrective Action – Procurement of PremAire respirators actively being pursued to support timely completion of the PFP Facility to Slab on Grade by September 30, 2016.

Compressor Status – Contract for Breathing Air Delivery System was awarded on December 5, 2013. System will be delivered within 90 days of contract award.

- Two systems, each capable of supporting a five person entry team, were shipped from the vendor in Virginia on 3/27/2014, arriving at Hanford on 4/1/2014. One unit will initially be used to support training at HAMMER in late April
- Breathing Air Units will be ready for deployment in June 2014

Training Status – PFP Special Projects and the 242-Z D&D Manager are working with HAMMER Training on the PremAire Respirator Training and performing the donning and doffing OJE/OJET. Train the Trainer begins the week of 4/7/2014 at HAMMER followed by worker training in May.

Issue – The existing DSA does not address physical demolition of PFP facilities or leaving high hold-up items in-place for targeted excision during the demolition phase.

Corrective Action – Assemble a team of nuclear safety professionals to develop step out conditions and criteria for the existing facility safety systems. Effort will culminate in a revision to the PFP DSA for the final deactivation and demolition phases of the mission.

Status – Team for initial training has been assembled and has begun evaluating material form and distribution aspects of accident scenarios, as necessary for developing more accurate and reasonable accident consequences.

- Initiated Safety Basis Approach and Planning Document
- Initiated DSA Criteria Document
- Refined D&D Strategy and Sequencing to support Accident Analysis

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
Overarching PFP Risks				
PFP-009: Aging Building Systems/Components Problems Impact Planned D&D Activities	Included life extension upgrades as part of FY-14 Annual Baseline Update and include HEPA filter replacement, replacement of air compressors, and electrical switchgear upgrades. Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	Working - No Concerns	No Change	Teams finished EMP Rev.1 actions and the submittal letter was sent over to DOE by the March 2014 due date. Maintenance activities will continue to be performed to keep the facility in a safe and compliant configuration until such time as the MAR has been removed and the DSA back-out plan has been implemented.
PFP-062: Ability to Use Permafix Northwest for Glovebox Size Reduction	In the event of Perma-Fix Northwest closing PFP is continuing to evaluate the appropriate team sizes to perform size reduction efforts. In addition PFP will continue to work with CWC for long term storage capabilities.	Working - No Concerns	No Change	In the event size reduction capabilities at PFP will need to be established or more waste will be shipped to CWC for long term storage.
PFP-080 – Unforeseen Chemical Hazards	CHPRC completed investigations and identified potential lines that contain chemical hazards. CHPRC believes this to be an imminent safety hazard and, as such, has and continues to take actions to mitigate the immediate hazard. Continue to collect data and take photographs to document actions and conditions.	Working - Concern	Increased Confidence	Notice of Change letter transmitted to DOE on February 13, 2013. Investigation completed in the month of March, 2013. The path forward, based on investigation results, has been integrated into the field schedule to mitigate hazards to workers. Issues Change Order 240, Mitigation of Chemical Lines at PFP was received by CHPRC on October 7, 2013 with a limitation not to exceed $500K prior to the definitization of the change. A formal change proposal has been developed, formally submitted to RL and discussions are ongoing with RL on the definitization of the change.
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.	Working - Concern	Increased Confidence	Negotiations were successful to extend respiratory protection time with the ratification of the Collective Bargaining Agreement effective November 11, 2013. The PFP project has implemented extended dives since implementation of the agreement, and longer stay times in the field are being realized. Continue to implement Breakthrough Initiative #1, Tool Time actions. A recent VE study for PFP was held and planning continues with a special project team to implement actions to accomplish the new vision for the D&D path forward.
PFP-083: System Back-Out Plan Implementation Extends Schedule	Identify Back-out Plan implementation activities, durations, logic ties, and resources; and integrate these activities in the project execution schedule. Work activities may be re-sequenced to minimize impacts to the critical path schedule. Where needed, utilize subcontractors with credibility and experience for analysis and document preparation support. Work closely with DOE-RL and Regulators to identify review points to streamline approval process and reduce approval turnaround durations.	Working - Concern	No Change	Finalization of the back-out planning efforts are under-way to support the revision of the field execution schedule to assist the project in better execution to the Performance Measurement Baseline. It is expected that this effort will be completed by the end of May, 2014.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-089: OPP: 4X10 Shift Schedule	Extending the work day to 10 hours and strict adherence to allotted ARA entry times, allows for two 3.5 hour ARA entries per day on powered air purifying hood respirators (PAPR) and two 2.5 hour and a third 1.5 hour ARA entries per day wearing a tight fitting face piece respirator. 80% of facility ARA work is performed on PAPR respiratory protection equipment. Fully implemented, this tactic provides 4 additional hours of ARA work each day while wearing PAPRs. Extrapolated over a two week period, this opportunity represents 29 additional ARA hours in PAPR over the baseline. Similarly, this opportunity represents 25 additional ARA work hours every two weeks over the baseline.			On February 3, 2014, PFP implemented the 4X10 shift schedule and efficiencies will be tracked and monitored via current reporting tools.
PFP-086: Alternate/Temporary System Capabilities Required Prior to Building Demolition	Management Reserves may be required to acquire equipment and services to provide the required alternate temporary facility system services and functions during demolition preparation. Identify MAR that may remain and identify CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluate air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring.			Alternate temporary facility system services and functions beyond those currently planned may be required to support building demolition. Currently identifying MAR that may remain and identifying CHPRC and DOE decision points to deactivate ventilation and fire systems. Evaluating air flow and required air changes to minimize contamination spread and establish air flow utilizing existing ducting to the extent practical with air movers and HEPA filtration through existing stack and monitoring
PFP-091: Approval of DSA Revisions	A team of professionals is being assembled to develop the DSA revision to support open air demolition of a Haz Cat II PFP. This effort will be managed as an independent project from PFP daily activities. A partnering approach will be established with RL SMEs and management to expedite the effort and flush out concerns or obstacles early on. This risk is a bounding assumption associated with completion of PFP to Slab-On-Grade.			Staff is in place to support development of two DSA revisions and on track for annual submittal in November, 2014.
242-Z Risks				
PFP-242-04: Dose Rates in 242-Z are Higher Than Planned	Characterization is built into the baseline to perform characterization including dose rate maps. The characterization plan will be utilized in work planning efforts to place temporary shielding around higher dose rate components. The work team is trained to stop work when conditions exceed planning information. This will prevent overexposure and prolonged work stoppages. However, if work is stopped, an alternate plan will need to be developed. Minimal mitigation is available for unknown/newly discovered higher than planned dose rates.			Contingent teams are being deployed for work package development and field work prep activities to enable a smooth transition when field work is schedule to start.
PFP-242-05: RM 134 Modifications for size reduction & load out from 242-Z are not authorized	Develop the air-flow, fire protection, and structural requirements during the planning stage to allow for the wall between 242-Z and 234-5Z to be removed. Execute the demolition in accordance with the plan. Identify response team to respond to discoveries proactively to maintain progress.			Working with field teams to develop more efficient and less intrusive waste load out capabilities.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-242-06: More RH-TRU than Planned from 242-Z	Utilize results from radiological and analytical characterization to develop size reduction plans. Work with the waste packaging and characterization group to understand requirements for RH-TRU waste and packaging techniques to minimize RH-TRU waste.			Contingent teams are being deployed for work package development and field work prep activities to enable a smooth transition when field work is schedule to start.
291-Z Risks				
PFP-291-01: 291-Z Characterization Unknowns	Develop characterization plans and objectives. Review historical documentation of facility construction and accident event reports. Incorporate characterization information into facility work plans and execution documents.			Opportunities are being evaluated to characterize early during maintenance activities which cause fans to be terminated. The plan of the week/day will be the communication tool to determine when early characterization can be conducted.
Balance of Plant Decontamination/Decommissioning Risks				
PFP-BOP-01: More Extensive Cleanout/Decon Required	Develop and implement a more detailed process facility characterization plan. 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. Identify approvals required and quantitates/materials that may be exempted from removal (i.e. floor tiles, transite, electrical, etc.).			During the month of March, characterization efforts were initiated in the duct level following the sampling plan as developed by the Environmental Director at PFP
PFP-BOP-02: Overall D4 Schedule Impacts From Interferences Between Sub-projects	The facility has developed an integrated priority list for all in-plant activities for resource assignment in accordance with priority. PFP has developed team communication meetings to prioritize resources on a daily basis. External facility resources are prioritized through MSA between PRC subprojects. These techniques ensure the resources are assigned to the highest priority work. Identify new D&D filed teams to conduct Walkdowns and Workpackage development to improve interfaces within subprojects.			Evaluation of additional field teams to start work in the duct level continued through the month of March. To mitigate schedule slippage characterization efforts are under way for E4 ducting/Filterboxes to determine waste disposition paths. In addition, field team sizes will continue to be evaluated to ensure resources are available when needed to support the duct level work efforts when glovebox removal activities are complete. In addition, efforts are under way to develop a BCR that will implement balance of 234-5Z area approach vs. system approach. It is expected that this BCR will be implemented into the baseline in June, 2014.
PFP Demolition Risks				
PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Work with the CHPRC environmental to ensure that an understanding of equipment, components, and residual material criterion are understood and bounded for air modeling. Once the residual material/contamination is quantified, work with regulators to identify controls to allow for equipment removal and demolition as planned. Develop and implement plans to document criterion are met.			The current air modeling plan is based on assumptions of what the facility conditions may be at the time before demolition. Characterization activities that are and will be performed will provide actual data that will be used in the model. Based on the model results, the project will make adjustments to its demolition approach. Field characterization survey plans are currently under development. A characterization survey plan has been developed for PFP ventilation, and field characterization of E4 ducting is under way. As resources allow, more characterization unit survey plans will be developed and added to work packages.
PFP-DEMO-08: Experienced Demolition Crews	Initiate demo planning early to establish contracting mechanisms at least one year prior to the need to begin demolition activities in order to have contracts in place to meet schedule. Complete more detailed facility characterization to support needed contract statement of work.			D&D workers have been identified and are intermittently arriving at the PFP facility to support demolition of 9 ancillary facilities and also support D&D of the 242-Z facility. The full complement of D&D workers projected to support the PFP project will be on project by August, 2014. CHPRC is evaluating follow-on scope to keep the D&D work force on staff to ensure that the PFP will be able to be demolished as scheduled by September, 2016

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-DEMO-18: ORR Required for PFP D4	The readiness activities schedule in the baseline is appropriate for the risk and complexity of the PFP & PRF demolition. Ongoing discussions will be conducted with DOE and DNFSB as required within the quarterly startup notification process. Additional resources may be added for preparation and review teams.			PFP efforts to upgrade the DSA to establish requisite conditions for the deactivation of vital safety systems, evaluate the unique hazards associated with the demolition phase of the project, and establish the commensurate control set for the remaining mission will validate the appropriateness of a readiness assessment versus Operational Readiness Review (ORR).
PRF Cleanout/Decontamination Risks				
PFP-PRF-01: PRF Canyon Cleanout Scope Increases	Characterization data will be collected as early as feasible to allow early identification of any issues associated with the planned approach. Failure to achieve end-point criteria to support open air demolition is a basis for Change Request to DOE.			The Characterization strategy is currently under development and meetings were held with project managers to prioritize the approach. Continue efforts to interface with the PRF to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PFP-PRF-02: PRF Canyon Crane Reliability Issues Result in Cost/Schedule Growth	Perform necessary preventative maintenance actions associated with canyon crane and ensure appropriate spares are on site to minimize schedule impacts in the event of equipment failure. Minimize the use of the crane to the extent practical. Obtain independent assessments of the crane. In the event of a crane failure, attempt to utilize work force on other projects to minimize down-time for work force.			The PRF canyon crane is in service and pencil tank size reduction activities are on-going.
PFP-PRF-21: OPP: 236-Z Floor/Pan Grouting	Following pencil tank removal, the PRF canyon floor will be vacuumed and wiped down. After completing that activity, the floor will be grouted to cover the pans and create a level working surface. From the grouted floor, residual canyon cleanout and wall decontamination will be performed. Upon completion of canyon cleanout, another grout cap will be placed to secure any residual contamination remaining on the floor prior to demolition. This approach eliminates the effort to remove the stainless steel pans from the slab (a process that would damage the slab according to engineering analysis), reduces contamination levels on the floor, correspondingly improving efficiency of manned entries for other canyon decontamination and cleanout efforts, and stabilizes floor contamination from a criticality and contaminant dispersion perspective.			This is work that will be performed in FY2015. In preparation, a grouting concept will need to be developed and a grout specification will need to be prepared. This activity will require a revised CSER calculation and DSA USQ evaluation. A Plant Force Work Review (PFWR) will be processed. A grouting Contract SOW, RFP, Bid Evaluation, and award will be issued. Grout procurement and grout conveyance equipment RFPs, Bid Evaluations, and awards will be issued. A grout testing contract SOW, RFP, Bid Evaluation, and award will be issued. Work Packages will be prepared. Conveyance equipment will be installed. Grout will be delivered, tested and pumped.
RMA/RMC Glove Box Removal Risks				
OPPORTUNITY: PFP-GB-01A: High Gram Box Disposition - FOAM	The responsibility for the implementation on the use of expanding foam at PFP has been assigned to personnel within the PFP Special Projects organization and is essentially being managed as a project. Lessons learned from other DOE sites that have used expanding polyurethane foam for similar applications are being used to facilitate implementation at PFP. The Risk Evaluation Board (REB) will be used to employ senior management personnel from CHPRC and DOE-RL to help resolve any significant issues associated with the use of foam.			Efforts continue under the special projects organization to implement the foaming initiative to foam selected components throughout 234-5Z and 236-Z. In the month of December the project determined that an additional evaluation will be conducted to determine alternate foaming agents due to the fire analysis that was performed on desired foaming agent. In the month of February alternate foaming agents were received and testing/documentation of results are pending. The Statement of Work (SOW) is being revised and is slated to be sent out in the month of April with mock-up testing to be conducted the end of May.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-GB-02: Glove boxes Isolation/Internal Strip out takes longer than planned	Utilize existing drawings, tools and techniques for equipment removal. Gram loading/NDA of gloveboxes has been obtained. Perform additional NDA to determine location of holdup. Perform surgical extraction of high gram items. Evaluate the use of foam or other fixatives to expedite cleanout.			Continue to work with field teams to plan upcoming isolations on remaining gloveboxes.

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	9.2	5.3	7.1	(3.9)	-42.1%	(1.7)	-32.9%

Numbers are rounded to the nearest $0.1M

CM Schedule Variance: (-$3.9M/-42.1%)
Current Month unfavorable schedule variance is due to re-sequencing work in the 242-Z Americium Facility, to align with the availability of D&D workers delaying preparations and initial entry activities in support of 242-Z. The 234-5Z duct level work has been re-planned to align with an area vs. system approach and a change in the PFP demolition sequence changing the need for work in the duct level to start later in the Fiscal Year and ventilation issues, work package modifications, more extensive high gram RMA/RMC glove box decontamination and NDA efforts, and the project-wide Beryllium Stop Work are also contributing to this negative variance. Apportioned activities in the D&D Project Support account that align with the delays in discrete D&D work scope, primarily balance of 234-5Z work scope, and unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing Pencil Tank 38-Failed, are also contributing to this variance.

CM Cost Variance: (-$1.7M/-32.9%)
The current month unfavorable cost variance is primarily attributed to inability to perform work as planned due to impacts associated with excessing NCOs and replacing with D&D workers, NCO and RCT resources leaving the project as a result of lamping opportunities at other CHPRC and Hanford Contractor (WRPS) projects, and the stop work order related to beryllium safety concerns resulting in non-productive downtime labor charges.

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	673.8	652.6	685.5	(21.1)	-3.1%	(32.9)	-5.0%	933.4	950.7	(17.3)

Numbers are rounded to the nearest $0.1M

CTD Schedule Variance (-$21.1M/-3.1%)
The Schedule Variance is within reporting thresholds.

CTD Cost Variance (-$32.9M/-5.0%)
The Cost Variance is within reporting thresholds.

Variance at Completion (-$17.3M/-1.8%)

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

Estimate at Completion (EAC)
The BAC and EAC include FY2009 through FY2018, the PRC contract period.

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2014		
WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Projected Funding	Spending Forecast	Spend Variance
RL-0011	106.9	98.9	8.0

Numbers are rounded to the nearest $0.1M

Funds/Variance Analysis
Projected Funding remained at $106.9M. The spending forecast was increased from $98.1M to $98.9M due to resource and material adjustments.

Critical Path Schedule

The PFP critical path runs through size reduction of the Plutonium Reclamation Facility (PRF) Pencil Tanks, Decontaminating/Scabbling/Fixing the PRF Canyon, Prepping the Gallery Gloveboxes and turning PRF into a Cold &Dark facility. This achieves completion of the M-083-44A TPA – *Complete Transition of 234-5Z & ZA/243-Z/291-1 & 291-Z Facilities* – and kicks off demolition of the 242-Z/242-ZA and 236-Z facilities leading to completion of the final TPA milestone – M-083-00A, *PFP Facility Transition and Selection Disposition Activities*.

Baseline Change Requests

BCRA-011-14-002R1 – *Chemical Mitigation Draining Activities*

MILESTONE STATUS

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

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-083-44A	Complete Transition of 234-5Z and ZA/243-Z/291-I & 291-Z Facilities	09/30/15		06/15/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable. However the project is on track to achieve completion of TPA-M-083-00A by 9/30/16
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		09/14/16	This Tri-Party Agreement completion is on track to meet a 9/30/16 completion date.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B
Spent Nuclear Fuel Stabilization and Disposition (RL-0012)

CH2MHILL
Plateau Remediation Company

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

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- The project completed continuous improvement actions MA-13848, *KW ANNEX Safety Components for Mezzanine Structural Steel*; MA-12169, *KW ANNEX Safety Components for Structural Steel*; SURV-11964, *Construction Document Control – Records Management Surveillance;* and MOP-13909, *NPRCS Grinding at MASF*.
- Engineered Container Retrieval and Transport System (ECRTS) Nuclear Safety Initiatives developed a life-cycle cost-benefit analysis for blending sludge streams. The results of this analysis will be presented to RL at an Integrated Project Team Meeting in early April. RL must authorize blending sludge streams prior to CHPRC implementation. Analyses to support the update to the ECRTS accident analysis are in progress, including updates to the spray leak analysis methodology, updates to cask and Sludge Transport and Storage Container (STSC) ventilation cases, and natural convection analysis that could support elimination of the auxiliary ventilation system.
- The Integrated Process Optimization Demonstration (IPOD) performed Sludge Transport and Storage Container (STSC) float arm operability runs to ensure the new float arms and hinge design are performing as expected. The float arms and hinge are performing well and the float arms clearance to STSC settler core clearances are being inspected and adjusted. Staff installed a gasket on the bottom of the Sludge Transport System (STS) cask to seal the cask to the trailer since the test cask does not have a solid bottom. This is in an effort to ready the cask for future demonstrations of cask purging to verify purging times and readying functions for shipment to T Plant. Engineering staff completed the draft IPOD mux test procedure (in the form of a test deficiency retest in the IPOD procedure PRC-STP-00826) and it is out for review.
- The *Test Report for Pre-Conceptual Development of Retrieval Options for KW Basin Garnet Filter Media* (PRC-STP-TR-00873, Rev 0) was completed and approved by the STP Joint Test Group. This test specification describes testing to evaluate and further refine selected technologies to remove the contaminated media from the 105KW garnet filter vessels.
- 105KW Annex Construction continued the application of fire coating to mezzanine steel in the shop, fabrication of steel members for the balance of Annex steel, the remaining non-structural concrete patching repairs, and fabrication of steel members for intermediate bay steel. They completed the application of fire coating to mezzanine steel in the shop, the installation of the guardrail around the high bay walls for fall protection for the installation of the mezzanine steel, delivery of the mezzanine steel to the site, and fabrication of steel members for the low bay steel. The installation of the mezzanine steel was initiated.
- The T Plant design work project has been unable to resolve comments on the Fire Hazards Analysis (FHA) with the fire department. Preliminary feedback received from RL on March 5, 2014, stated that T Plant will be directed to be an H-4 facility. This change will require the FHA to be re-written and a new equivalency request be prepared and approved. The design report has been issued with changes.
- 100K Minimum Safe Engineering approved and made ready for release the Facility Modification Package (FMP) for 189K raw water storage tank overflow splash pad and the chemical room roof beam tie off analysis. The 105KW Basin water loss calculation was issued, Exhaust Fan 4 (EF-4) troubleshooting was successfully completed, and calculation for bay sump covers loading was issued. Comments relating to an informal audit conducted by RL for the VSS System 14A – 32-ton crane have been resolved and are complete.
- 100K Operations completed hard waste loadout resulting in reduction of a Radioactive Material Area, annual maintenance on 105KW Basin hoists, preparation activities for semi-annual operation of Integrated Water Treatment System, procedure validation of decontamination procedure and performed preparations for long-term storage of Transfer Cask Assembly mockup and tools.

EMS OBJECTIVES AND TARGET STATUS

None currently identified.

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	0	8	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

Continuous Improvement

- MA-13848, *KW ANNEX Safety Components for Mezzanine Structural Steel*, was completed and CR-2014-0121 issued to develop and release a peer reviewed DCN for the redesign of the Modified 105KW Basin Annex mezzanine structural steel connections.
- MA-12169, *KW ANNEX Safety Components for Structural Steel, was* completed and CR-2014-0425 issued to document that Project Review Board release is required for balance of annex structural steel placement and to prepare and issue DCN-STP-ECRTS-158, *Revise Modified KW Basin Annex Miscellaneous Structural Details*, to include structural design calculations to confirm that all structural steel columns meet design code requirements for extraordinary events based on full height unbraced length without reliance on lateral bracing.
- SURV-11964, *Construction Document Control – Records Management Surveillance*, was performed by Quality Assurance (QA) and CR-2014-0119 and CR-2014-0120 issued to address opportunities for improvement and findings with document control identified during the surveillance.
- MOP-13909, *NPRCS Grinding at MASF*, was completed and CR-2014-0591 issued recognizing noteworthy work practices exhibited during the work evolution.

ECRTS Nuclear Safety Initiatives

- A life-cycle cost-benefit analysis for blending sludge streams has been completed. The results of this analysis will be presented to RL at an Integrated Project Team Meeting in early April. RL must authorize blending sludge streams prior to CHPRC implementation.

Integrated Process Optimization Demonstration (IPOD)

- Maintenance and Storage Facility (MASF) staff continued performing STSC float arm clearance adjustments to nearly equalize the distance of the two arms from the STSC settler core. Following initial installation of the new final design float arm hinge, it was noted that the float travel on one of the float arms came near to the settler core sidewall. The new bolted hinge plate design allows for adjustability in the float arms to account for any tolerance stack-up issues that may be seen during

fabrication without adjustments having to be made by welding on or grinding on the STSC vessel wall following code testing as was the case with the float arm hinge pivot preliminary design.

- MASF staff installed a gasket on the bottom of the STS cask to seal the cask to the trailer since the test cask does not have a solid bottom. This is in an effort to ready the cask for future demonstrations of cask purging to verify purging times and readying functions for shipment to T Plant.

Garnet Filter Testing

- PRC-STP-TR-00873, *Test Report for Pre-Conceptual Development of Retrieval Options for KW Basin Garnet Filter Media*, and PRC-STP-TS-00883, *Test Specification for Follow-on Pre-Conceptual Development of Retrieval Options for KW Basin Garnet Filter Media*, were approved by the STP Joint Test Group.

105KW Annex Construction

- Completed the application of fire coating to mezzanine steel in the shop. Initiated the delivery of the mezzanine steel to site.
- Completed the installation of the guardrail around the high bay walls for fall protection for the installation of the mezzanine steel.
- Initiated the mobilization of the erection contractor to start the installation of mezzanine steel.
- Completed delivery of the mezzanine steel to site.
- Completed fabrication of steel members for the low bay steel.

100K Minimum Safe Engineering

- Facility Modification Package (FMP) for 189K raw water storage tank overflow splash pad has been approved and is ready to be released.
- The chemical room roof beam tie off analysis has been approved and is ready to be released.
- The 105KW Basin water loss calculation was issued.
- Exhaust Fan 4 (EF-4) troubleshooting was successfully completed.
- Calculation for bay sump covers loading was issued.

100K Operations

- Completed hard waste loadout resulting in reduction of a Radioactive Material Area.
- Completed annual maintenance on 105KW Basin hoists.
- Completed procedure validation of decontamination procedure.

MAJOR ISSUES

None currently 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-0012/WBS 012				
STP-067A: Safety Significant Components STP-067B – OPPORTUNITY: Safety Classification of SSC's	Integrate nuclear safety representation on design team to minimize potential for an increase in the classification of safety significant SSCs in the ECRTS Process System Design. The project will conduct in-process reviews of the draft PDSA with DOE to ensure reviewers fully understand the basis for current SSC safety classifications. The PDSA has been submitted to RL.	Green	⟷	The PDSA approval letter was transmitted on 2/3/2014. ECRTS procurements have been bundled into four procurement packages to be phased as accelerated funding may become available. If the revised PDSA (COA #1) is not approved by the time the 4th bundle comes up, the opportunity for cost savings in procurement will be missed, However, the potential to downgrade the safety controls later when it is approved may be realized.
STP-072: Delayed STSC/ECRTS Procurement & Delivery	Identify qualified vendors up-front, Conduct fabricator on-site inspections, place CHPRC Quality Control staff at the vendor facility, Maintain a prioritized buyback list to initiate early procurements should additional funding be identified, and procure raw materials early to minimize commodity price fluctuations. Develop procurement bundles for equipment that can be prioritized based on funding, vendor availability, and safety documents.	Green	⟷	ECRTS Procurement priorities have been established and identified four series of procurements. Solicitations with potential suppliers have been requested and the Contractor will be expected to participate in finalization of the work packages.
STP-111B: Basin ECRTS Installation Contractor/ Subcontractor Performance	Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts. Re-train construction personnel on procedures for performing construction activities. Include in baseline budget to cover additional management oversight support for construction, planning, safety and project management to accommodate the potential impacts. Interface between existing organizations will need to be closely coordinated, planned, and monitored. Mitigation strategy is to provide extensive oversight on subcontractors work scope.	Green	↓	Working with Procurement and PTS to award contract/BOA to qualified and competent supplier. Once contractor is selected, a tailored oversight approach will be developed based on supplier, work scope, and hazards.
STP-ANX-020: Contractor/Subcontractor Performance	Mitigation strategy is to provide extensive oversight on subcontractors work scope. Implement a Corrective Action Plan for contractor to implement to address shortfalls in performance. Closely coordinate, plan, and monitor construction using detailed field schedules to minimize impacts.	Yellow	↓	A Corrective Action plan is in place with the primary construction contractor. CHPRC has increased oversight over the contractor to ensure performance improvements are obtained. Even though oversight has increased and CHPRC personnel have been seconded to the subcontractor, performance continues to be below plan.
STP-ANX-024: K-Annex Design or Requirements Change or Errors & Omissions	Identify required design changes early in the process to minimize schedule impacts. The design reviews and constructability reviews have been completed, the potential requirements change, and related impacts are accepted without mitigation due to the action required. Develop a streamlined approach for handling contractor submittals and RCIs.	Yellow	↓	Design issues continue to be identified on the project. To date, CHPRC has received 352 RCI's that have resulted in 163 Design Change Notices affecting physical construction changes. CHPRC is working to correct and minimize these issues and maintain progress on the project. The process for streamlining RCI responses is in place. However, the quantity and scope of the changes continues to be above the baseline plan.
STP-ANX-028: Annex Acquisition – Programmatic Risk	CHPRC is proceeding with contract strategy for the Annex Construction.	Yellow	⟷	CHPRC is preparing a Change Proposal to address the cumulative impacts of sequestration and partial government shutdown for the Annex construction. Sequestration and partial government shutdown actions may have a resulting impact on the Annex Construction contractor outside of the original contract scope for directed stop & restart activities.

PROJECT BASELINE PERFORMANCE
Current Month
($M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance ($)	Schedule Variance (%)	Cost Variance ($)	Cost Variance (%)
Total	4.3	3.9	4.0	(0.4)	-9.3%	(0.1)	-3.4%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.4M/-9.3%)
Variance is within reporting thresholds.

CM Cost Performance (-$0.1M/-3.4%)
Variance is within reporting thresholds.

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	408.6	407.8	417.4	(0.8)	-0.2%	(9.6)	-2.4%	690.9	699.6	(8.7)

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (-$0.8M/-0.2%)
Variance is within reporting thresholds.

CTD Cost Performance (-$9.6M/-2.4%)
Variance is within reporting thresholds.

Estimate at Completion (EAC)
Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2014		
RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Projected Funding	Spending Forecast	Spend Variance
RL-0012	72.2	70.7	1.5

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis

Projected Funding remained at $72.2M. The spending forecast was decreased from $71.6 to $70.7 due to an evaluation of actual labor costs for operations activities and the forecast was adjusted to reflect the downward trend in charges.

Critical Path Schedule

The STP Critical Path is funding constrained in FY2014 resulting in deferral of process equipment procurement into FY2015/2016. The critical path subsequently flows through the installation of process equipment, then operational acceptance testing of the facility modifications, annex process equipment, readiness activities at the 105KW Facility, the operational readiness review, and finally containerized sludge retrieval operations. Retrieval operations includes the filling of STSCs with sludge and transferring them to T Plant, completing Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestone M-016-176, *Complete Sludge Removal from 105-KW Fuels Storage Basin*.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

(Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-175	Begin sludge removal from 105KW Fuel Storage Basin	09/30/2014		09/01/2018	This Tri-Party Agreement completion has been impacted by changes in DOE priorities and sequestration. It is currently unattainable and needs to be re-negotiated.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C
Solid Waste Stabilization and Disposition (RL-0013)

CH2MHILL
Plateau Remediation Company

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

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

PROJECT SUMMARY

The Waste and Fuels Management Project (W&FMP) continued maintaining facilities in a safe and compliant condition. Overall, the project is delivering planned efficiencies but continues to be impacted by emerging work and realized risks. Liquid Effluent Facilities (LEF) received 9 tankers, 42.2k gallons. Liquid Effluent Retention Facility (LERF) Basin continued cover inspection, clean up, and implemented bird mitigation plan for basins. T Plant repaired 20 fire barrier penetrations. Canister Storage Building (CSB) continued Multi-Canister Overpack (MCO) monitoring. Central Waste Complex (CWC) covered 18 of 108 waste boxes in Central Waste Complex (CWC) outside storage area.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	7	48	• 3/6/14 - Employee received a sliver under a nail bed while repairing a door latching mechanism. Body part affected: Finger (23325) • 3/10/14 - Employee bumped foot against a concrete guard causing the employee to fall. Body part affected: Knee (23327) • 3/13/14 - Employee reported a back injury due to the repetitive moments of moving sandbags. Body part affected: Back (23331) • 3/17/14 - Employee stepped on a rock, twisted foot then fell. Body part affected: Knee (23335) • 3/17/14 - Employee ran into a vehicle mirror with shoulder. Body part affected: Shoulder (23334) • 3/27/14 - Employee missed a step while descending stairs; hopped to ground level and contused foot. Body part affected: Foot (23341) • 3/31/14 - Employee was walking in loose gravel twisting knee. Body part affected: Knee (23344)
Near Misses	0	1	N/A

KEY ACCOMPLISHMENTS

13.01 Project Management

- Continued Project Management support for high priority projects
- Continued to work with RL on multiple changes to the contract scope of work. Change proposal development in process.

13.02 Capsule Storage & Disposition

- Completed:
  - Six month lubrication and inspection of miscellaneous fans and pumps throughout WESF
  - Annual calibration of the Beta stack flow instruments
  - Annual calibration of Beta monitor/record sampler pressure indicators
  - Repaired 225BF air dryer and returned to service
  - Quarterly equipment vibration analysis
  - Quarterly and semi-annual calibration of pool cell Weight Factor Alarm Switches (WFAS)
- Obtained Beryllium samples on the 225B Pool Cell 10 Ton Crane and Manipulator repair hot shop
- Received approved Notice of Intent (NOI) for asbestos removal on K1-6-1 fan housing and duct. Asbestos removal planned to commence on April 7, 2014 per the NOI
- Completed:
  - 29 preventive maintenance activities, including:
  - Bi-monthly 282-B well test
  - Monthly Technical Safety Requirement (TSR) and environmental Preventive Maintenance (PM) and surveillance activities
  - Repairs to the K2-7-1 radial damper and returned to service
  - Monthly 225BG-GEN-1 and 225B-DG-1 standby generator testing
- Hanford Fire Department completed annual hydrant flushing for three of five hydrants
- Initiated planning meetings for canyon entries targeted to improve combustible loading. Entries are planned for this summer
- Continued to research Radiation Indicator Transmitter (RIT) 1E and 2W history and detector application to determine suitable replacement detectors for current conditions
- WESF Exhaust System Upgrade Project:
  - Transmitted Change Proposal in response to Change Order 245, *Waste Encapsulation and Storage Facility (WESF) K3 Exhaust Ventilation Upgrade Project, Revision of 2011 Conceptual Design Report* to RL on March 13, 2014
  - Presented Environmental Permitting Strategy to CHPRC management; in process of scheduling presentation to RL
  - Issued Functions and Requirements Document
  - Posted Request for Proposal for conceptual design report, bids due April 10, 2014
- Dry Storage Preparations:
  - Authorization to perform FY2014 Buy Back scope received on February 20, 2014
  - Draft Field Execution Schedule has been prepared

13.03 Canister Storage Building (CSB)

- Continued Multi-Canister Overpack (MCO) monitoring program.
- Completed:
  - Quarterly MCO handling machine (MHM) interlock channel tests (TSR)
  - 200E Area Quarterly Emergency Preparedness (EP) exercise
  - Semi-annual MHM wire rope inspection
  - Quarterly Gaseous Effluent Monitoring System (GEMS-100) functional checks
  - Air handler AH-001 repair and annual inspection

  - Annual Operating Area Duct Heater inspection
  - Annual MHM horizontal lifeline inspection
  - Annual alpha (α) Continuous Air Monitor calibration (4/5 spare units)
- Completed:
  - 24 preventive maintenance activities, including:
  - Annual telescoping door (TDO-002) inspection and lubrication
  - 212 H (CSB) annual Remote Fire Alarm Repeater (RFAR) test
  - Annual fire hydrant flow tests
  - Quarterly exhaust fan (EF-001 & -002) inspection
  - Quarterly lock and tag audit
  - Quarterly shield door (Door 008, 013, 022) inspections
  - Quarterly fire water storage tank inspection
  - Conducted limited scope emergency preparedness (EP) drill and fire department bunker gear doffing training

13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
  - Independent Technical Review of the High Energy Real Time Radiography (HERTR) video of the two Washington Closure Hanford (WCH) concreted drums was performed on Monday, March 3, 2014. The volumes of liquid found in the two drums were confirmed at 14 liters and 16 liters
  - Agreed Order (AO) and Master Documented Safety Analysis (MDSA) Rev. 10 training for Operations and Radcon
- Surveillances:
  - Seven Technical Safety Requirement (TSR) surveillances
  - 15 Preventive Maintenance (PM) packages
  - 73 Radiological (Rad) surveillances
  - 35 Operational surveillances

13.08 T Plant

- Completed:
  - Venting Operations on Drum 0061509
  - 271-T complex fire system test and inspections
  - Repairs of 20 fire barrier penetrations by construction forces
- Surveillances:
  - Five TSR surveillances
  - 257 Rad surveillances
  - 25 PM packages
  - 186 Operational surveillances
- Shipments
  - Received four Transuranic/Low-level waste (TRU/LLW) packages from the Central Waste Complex (CWC) for venting

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

- Performed Trench 94 contaminated nest removal and decontamination of the Queenfish reactor compartment in preparation for Navy reactor compartment receipt
- Received new Navy reactor compartment receipt dates from the Navy:
  - September 13, 2014 - New York City (696) arrives at Port of Benton (POB)
  - September 20, 2014 - Cincinnati (693) arrives at POB
  - Lampson is planning to begin remobilizing August 15, 2014

- Transferred three mixed waste drums to T Plant for venting purposes
- Covered 18 of 108 boxes in support of the Washington Department of Ecology Agreed Order requirements
- Ordered the first 13 covers for the CWC Outside Storage Area 'A' and fabrication of the covers commenced March 20, 2014
- Removed the Super 7A box cover with crane support in preparation for Terex trailer broken weld repairs
- Shipped one fiberglass reinforced plywood box (FRP) in the gray cruiser from CWC Outside Storage Area 'A' to PermaFix Northwest (PFNW) utilizing a swing shift road closure
- Surveillances:
  - Six TSR surveillances
  - 18 PM packages
  - 171 Rad surveillances
  - 62 Operational surveillances
- Shipments:
  - Received seven shipments totaling 39 waste packages of Transuranic mixed (TRUM) from the Plutonium Finishing Plant (PFP)
  - Shipped one TRUM FRP to PFNW for size reduction and repackaging
  - Transferred four TRU/LLW packages from CWC to T Plant for venting

13.11 Liquid Effluent Facilities (LEF)

- Filed an Occurrence Report under Group 2E – Hazardous Electrical Energy Control, Criteria 3, SC-4. The installation of a Controlling Organization Lock Out Tag Out (LOTO) was initiated at the 310 Retention Transfer System (RTS) to isolate power in electrical panel WCS-LCP1
- Commenced Liquid Effluent Retention Facility (LERF) Basin cover inspection and clean up

LERF Basin Number	Bulk Water Pumped This Week (gallons)	Bulk Water Pumped To Date (gallons)	Slurry Pumped This Week (gallons)	Slurry Pumped To Date (gallons)	Mud Removed This Week (pounds)	Mud Removed To Date (pounds)
42	N/A	57,680	0	0	0	0
43	0	0	0	0	0	0
44	N/A	20,700	0	0	0	0

- Implemented Bird Mitigation Plan for Basins
- Continued Main Treatment Train and Secondary Treatment Train Cleanout
- Continuing 310 RTS Transition Planning
- Supported Canister Storage Building (CSB) Site-Wide Exercise
- Supported Ecology Inspections
- Received nine tankers:
  - 42.2K gallons (120K fiscal year [FY])
- Treated effluent to State-Approved Land Disposal Site:
  - 0M gallons (1.9M FY)
- Discharged to 200A Treated Effluent Disposal Facility (TEDF):
  - 73.1M gallons (107M FY)
- Received Environmental Restoration Disposal Facility (ERDF) Leachate
  - 145K gallons (920K FY)

13.12 Integrated Disposal Facility

- Completed monthly inspections

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition

13.21 Mixed Waste Disposal Trenches

- Completed:
  - One TSR surveillance
  - 16 Rad surveillances
  - Four Operational surveillances
- Shipments:
  - Received four shipments totaling eight waste packages from PFNW and disposed in Trench 31
  - Shipped two tankers of MWT leachate to Liquid Effluent Retention Facility/Effluent Treatment Facility (LERF/ETF) - from Trench 31 and Trench 34.

MAJOR ISSUES

Issue: TRU Waste Shipment Requirement Change. A recently received Department of Transportation (DOT) interpretation of road closure requirements has impacted ability to perform shipments to offsite repackaging subcontractor.

Corrective Action: RL to obtain approval on exceptions to DOE-HQ orders. Obtain drivers from Federal agency (Bonneville Power Administration). BPA support expected to end in June 2014.

Status: TRU shipments delayed (pending DOE-HQ approval of exceptions)

Issue: Deteriorating Waste Containers - condition of retrieved and repackaged containers are showing increased degradation requiring additional mitigation activities

Corrective Action: Significant risk remains. TRU Disposition activities would prepare the contents of these containers in a configuration suitable for eventual disposal at the Waste Isolation Pilot Plant. This configuration would also mitigate/eliminate the risk and cost for long-term management of these containers

Status: Using the best demonstrated available technology to provide adequate configuration and minimize the potential for contamination spread during the long-term storage (i.e. protecting boxes with tarps or protective shoring and overpacking drums). Provided letter to RL identifying risk and requesting path forward.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0013				
PRC-010: Requirements Change	Changes to DOE Orders, Federal, or State Regulations could impact the baseline scope, schedule and/or cost. There is a risk that state directed changes could impact the ability to perform work in the planned manner.	Working - Concern	No Change	BCR, *Incorporate NTE for CO #228, Activities in Support of Ecology Agreed Order*, was implemented in March. Change Proposal addressing impacts to be completed and submitted to RL in April.
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. Evaluate additional waste volumes of TRU waste being sent to treatment contractors to maintain contract viability.	Working - Concern	Decreased Confidence	Forecasted volumes from CHPRC Projects may not allow commercial capability to remain viable. Planned Shipments have been impacted due to equipment issues and improvements to road closure process. Impacts and risks of DOE Letter 14-NSD-0037 to be addressed in April. GFS/I risks for CVSA inspections of MSA equipment, and DOE provided drivers and shippers. CHPRC performance risks increased to meet 2-week scheduling notice.
WSD-086: W&FM Industrial Accident or Contamination	Workers are trained in equipment operation, radiological control procedures (ALARA), and response to events. Processes and procedures identify safe equipment operation, control of radiological/hazardous materials.	Working - Concern	Increased Confidence	Initiated remediation for LERF basin cover inspection cleaning and Trench 94 biological contamination.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform routine surveillances (daily/weekly) of containers within the SWOC storage areas and identify abnormalities. Develop a "watch-list" for containers that have existing corrosion to monitor for signs of accelerated corrosion. Develop plans for dealing with degraded/abno rmal containers. Discrepant containers may require additional monitoring, patching, covering or overpack as required. If a breach is identified, implement response procedures and perform response actions as appropriate.	Working - Critical	Increased Confidence	Legacy containers in expansion area are requiring additional resources. A total of 47 boxes in the outdoor storage area are dispositioned in accordance with Agreed Order requirements. Procedure for "Watch List" containers to be issued in March.
WSD-079 (WRAP) WSD-097 (T-Plant) WSD-120 (WESF) WSD-121 (LERF) WSD-122 (CSB) WSD-135: (ETF) WSD-136: (CWC) Equipment Failure at W&F Facility	Continue with the current maintenance program and aggressive PM and CM program. Maintain spare parts inventory, perform Preventative Maintenance as scheduled, and remove unused equipment from service.	Working - Critical	No Change	• Heat exchanger developed leak and shutdown. Engineering White Paper indicates that exchanger is unrepairable. • ETF Heat Exchanger procurement initiated in October. FY14 RL priorities necessitated the cancellation of the procurement and deferral (including installation) to FY15. • Continuing to experience greater than planned maintenance at ETF and LERF. • WESF roof replacement completed – Punch list items to be completed in spring. • Repairs needed to 2404-WB floor • T-Plant fire barrier repair work scope initiated

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.			Working compliance matrix and implementing actions/documents for the Ecology Agreed Order. DOH inspection of WESF and CSB completed – no issues.

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	5.5	0.1	-2.0%	1.7	23.6%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (+$0.1M/-2.0%)

The current period favorable schedule variance is within threshold.

CM Cost Performance (+$1.7M/+23.6%)

The current month favorable cost variance is due to the 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	830.8	831.0	805.1	0.2	0.0%	25.9	3.1%	1,341.8	1,268.7	73.1

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (+$0.2M/+0.0%)

The schedule variance is within threshold.

CTD Cost Performance (+$25.9M/+3.1%)

The favorable cost variance is within threshold.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The change in EAC from February to March is within threshold.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2014 Projected Funding	FY2014 Spending Forecast	FY2014 Spend Variance
RL-0013	83.9	82.5	1.4

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis
Projected Funding is unchanged from the prior month. The change in FY2014 Spending Forecast from $83.4M to $82.5M is primarily the result of unavailability of resources for the remainder of the fiscal year.

Critical Path Schedule
Critical path analysis can be provided upon request.

Baseline Change Requests
BCR-013-14-008R0 – *Prepare Acquisition Strategy and RFP for WESF Dry Storage*
BCR-013-14-009R0 – *Incorporate NTE for CO #228, Activities in Support of Ecology Agreed Order*
BCR-013-14-010R0 – *CO #236 NTE, Retention Transfer System Transfer to WCH*
BCR-PRC-14-007R0 – *Transfer of Work Scope from CLIN7*

MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Annual Update, implemented in September 2013, and subsequent approved BCRs define CHPRC planning with respect to Tri-Party Agreement milestones. The following table is a one year look ahead of commitments and Tri-Party Agreement enforceable milestones and non-enforceable target due dates. Tri-Party Agreement Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2014 funding scenarios and Hanford site priorities.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-026-07C	Evaluation of Tritium Treatment Technology to EPA & Ecology	3/31/14	3/11/14	3/11/14	Report complete – submitted transmittal letter, CHPRC-0304975AR11, dated 3/11/14.

SELF-PERFORMED WORK

The Section H.20 clause entitled, “Self-Performed Work,” is addressed in the 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)

CH2MHILL
Plateau Remediation Company

R. S. Popielarczyk
Vice President and
Project Manager for
Soil and Groundwater
Remediation Project

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

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued progress on the *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:

Treatment Facility	Million Gallons Treated		Chrome (kg)		Carbon Tet (kg)		Nitrate as N (kg)		Tech-99 (pCi)	
	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD	CM	FYTD
DX P&T	26.7	142	23.1	128.0	-	-	-	-	-	-
HX P&T	24.7	141.6	2.2	13.5	-	-	-	-	-	-
KR-4 P&T	9.8	67.7	0.4	2.8	-	-	-	-	-	-
KW P&T	13.0	76.4	1.3	8.2	-	-	-	-	-	-
KX P&T	24.7	132.6	2.1	12.3	-	-	-	-	-	-
200 West P&T	67.6	359.0	6.7	34.8	247	1,332	4,860	25,287	$.098x10^{12}$	$.520x10^{12}$
Combined	**166.4**	**919.3**	**35.9**	**199.5**	**247**	**1,332**	**4,860**	**25,287**	**$.098x10^{12}$**	**$.520x10^{12}$**

Sampling	March	FY2014 Cumulative
Well Sampling Events	214	1151
Aquifer Tube Sampling Events	41	341
Total Number of Sampling Events	255	1492
Samples Collected	886	7163
Analyses Performed	1961	11613

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-SGWR-OB1-T1	Reduce air emissions at the 200 West P&T Facility	Update air emissions baseline for 200 West P&T Facility and evaluate data to identify if additional air modeling is warranted and whether opportunities exist to reduce air-toxic emissions.	9/30/14	On schedule
		A tabulation of emissions, in mass per year, for constituents of concern (i.e., all constituents analyzed for during sampling events). Evaluation results will be documented as a Worksite Assessment(s).	Quarterly	80% complete
14-SGWR-EMS-OB2-T1	Reduce the amount of toxic and/or hazardous materials in the environment	P&T 1.8 billion gallons of contaminated groundwater from all P&T facilities during FY2014.	9/30/14	On schedule

Objective #	Objective	Target	Due Date	Status
		The volume of contaminated groundwater that is treated as measured in gallons.	Monthly	919M gallons treated through 3/31/14
14-SGWR-EMS-OB3-T1	Reduced resources use (fuel use)	Evaluate opportunities to discharge purgewater to ground from newly drilled wells.	9/30/14	On schedule
		Report results of evaluation by Well ID/Well Name.	Monthly	90% complete
14-SGWR-EMS-OB4-T1	Reduce fuel consumption/greenhouse gas emissions and increase resource utilization (sampling, well maintenance, and waste management personnel)	Seek EPA and Ecology approval to manage miscellaneous solid waste (MSW) from well sampling and maintenance activities in one centralized area.	3/30/14	Under revision
		This target will be met upon submittal of TPA Change Notice to RL, EPA, and Ecology.	Status at completion	Under revision

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	4	23	**3/4/2014 -** Employee felt a pain in his left knee as he lifted his left leg to exit over a sodium bisulfate containment wall. Employee notified his supervisor and was taken to HPMC for medical evaluation. Employee was treated with a soft splint and returned to work without restriction. (23319) S&GRP **3/5/2014** - Employee was exiting sample van rear doors when he misjudged the step down to the ground and wrenched his left knee. He returned to work without restrictions. (23324) S&GRP **3/21/2014 -** As the employee was tossing the grappling hook into the river to recover the sampling line, the blunt end of the grappling hook struck the back of his right hand resulting in a contusion to the hand. The following morning he was taken to Site Medical where he was treated and released to return to work without restrictions. (23339) S&GRP **3/27/2014** - A worker opened an unlabeled bottle not realizing it contained a liquid solution of nitric acid. A co-worker grabbed for the bottle to keep the liquid from spilling out. HPMC provided no treatment and returned the employee to work without restrictions. (23343) S&GRP
Near-Misses	0	2	N/A

KEY ACCOMPLISHMENTS

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

Risk & Modeling Integration

- Integrated Disposal Facility Performance Assessment
  - Received direction and limited notice to proceed from RL on March 27, 2014, to start preliminary activities: "Initiate analysis/evaluation efforts that will lead into clarification of the scoping approach and document analysis." Immediate needs are staffing and drafting an agreement (MOU form is likely) for the four parties involved (RL, CHPRC, DOE-ORP, WRPS) to establish roles and responsibilities, expectations, schedule for information feeds, and interfaces.
- DOE 435.1 Assessment Maintenance
  - Submitted DOE/RL-2013-40 (Composite Analysis annual status report for FY 2013) and DOE/RL-2013-41 (Low-Level Burial Grounds Performance Assessments annual status report for FY 2013) to clearance release followed by transmitted to RL.

Environmental Strategic Planning

- Central Plateau Strategy
  - Supported RL in a productive discussion with Ecology on RCRA/CERCLA integration specifically for the 200-IS-1 Operable Unit. Next steps include research to identify how WAC 173-303-610(1)(e) has been applied elsewhere in the state (or how its federal equivalent has been applied elsewhere in the country) and to develop the specific regulatory documentation needed for implementation.

River Corridor
100-BC-5 Operable Unit

- The newly installed monitoring wells and aquifer tubes are now under a routine sampling program and will be sampled to monitor the positive impacts of source removal, key indicators, and the progress of natural attention of the contaminants.

100-KR-4 Operable Unit

- Initiated drilling for three extraction wells planned for the KX P&T.

100-HR-3 Operable Unit

- Completed surface sampling within the 100-D-100 excavation and finalized borehole/well locations based on hexavalent chromium concentrations observed through this sampling effort.
- Issued requests for proposal for site preparation and drilling of four wells within the excavation.

100-FR-3 Operable Unit

- Weekly meetings are underway with RL and EPA to review and resolve legal comments on the draft final proposed plan. The final rev. 0 documents (RI/FS, PP, and fact sheet) are anticipated to be completed during the April through May timeframe.

100-NR-2 Operable Unit

- The Section 106 Cultural and Ecological Review for the apatite injection project scheduled for 2014, has been prepared so that the aquifer and vadose projects are split into two separate documents.
- Completed the majority of comment resolutions for the Draft A RI/FS Report through Chapter 5 and submitted four technical position papers on difficult/policy-related Ecology comments.

300-FF-5

- Submitted the integrated RD/RA Work Plan, Decisional Draft, on March 13, 2014, for RL review

Central Plateau

200-IS-1, 200-SW-2 & 200-WA-1 RI/FS Work Plans

- The teams for 200-IS-1, 200-WA-1 and 200-SW-2 RI/FS work plans have been coordinating closely with the regulatory agencies to begin resolution of the key issues and to determine an appropriate schedule to resolve comments on the draft A work plans.

200-UP-1 Operable Unit

- The Functional Design Criteria (FDC) document and specification for the IX treatment trains were completed.
- Work continued on development of CHPRC's Change Proposal in response to Change Order 251, 200-UP-1 Uranium Treatment at 200W Pump and Treat.
- A teleconference was held with Fernald to discuss lessons learned from their experience treating uranium contaminated groundwater with ion exchange resin, primarily Dowex 21K.
- An RFP was issued to Avantech for the uranium IX treatment train.
- A proposal for design services for the uranium system was received and is being evaluated.

200 West P&T

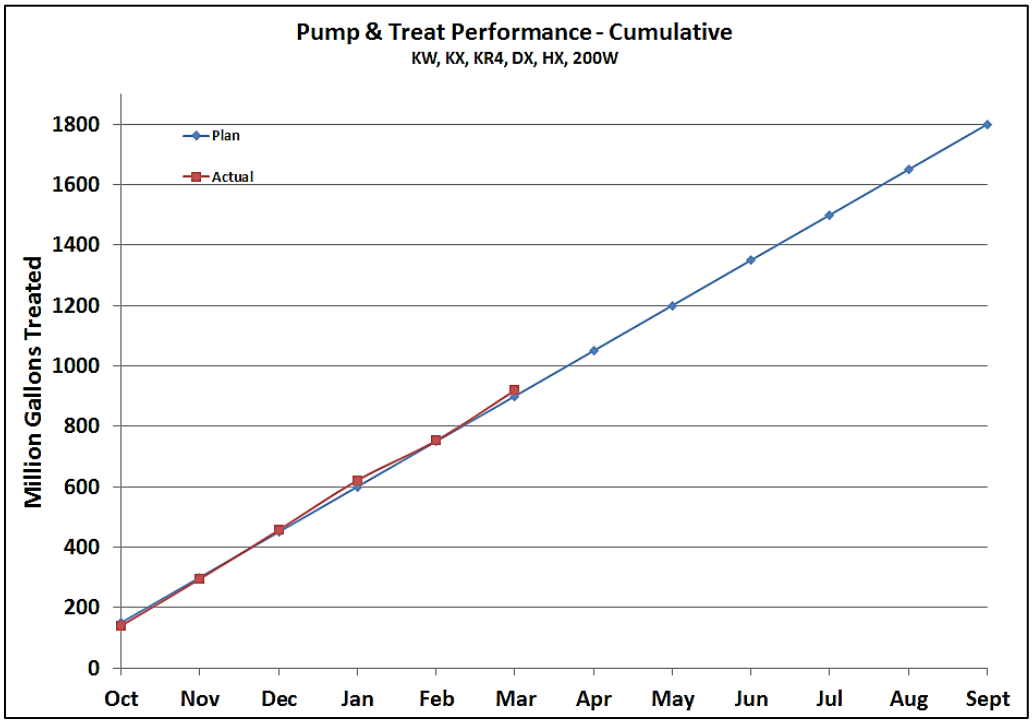
- Average pumping rate for March was 1,514 gpm.
- Effluent concentrations remain below cleanup levels specified in Record of Decision (ROD).
- On March 9, 2014, extraction well YE-7 (299-W11-90) shutdown resulting in reduced plant flow. This well was restarted March 10, 2014. One 30 minute unplanned shutdown occurred on March 11, 2014, that resulted from software testing. One MBR was taken offline for a day or so the week of March 10, 2014, for a recovery clean. On March 11 and March 14, 2014 the plant shutdown for less than a half hour. The March 11 shutdown followed the downloading of a data block in the SCADA control system. The March 14, 2014, shutdown occurred when the equipment stop on one of the FBR skids was accidently activated. There was a short planned shutdown on March 24 and March 25, 2014 to support maintenance in ITB-2.

200-DV-1 Operable Unit

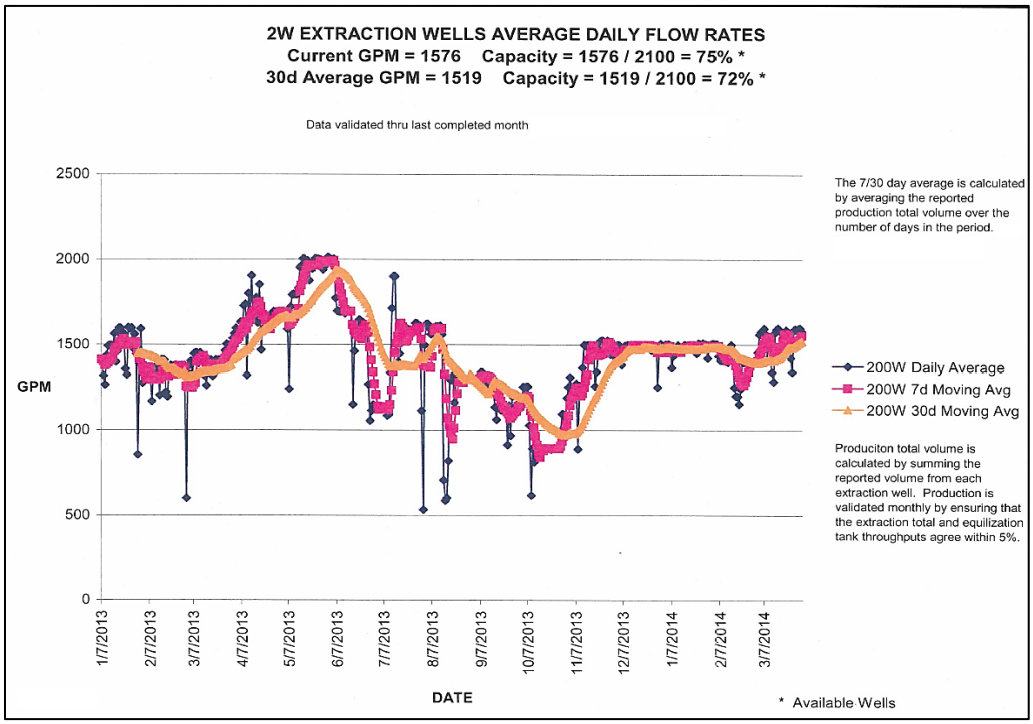
- New extraction wells 299-E33-351 and 299-E33-350 have been installed and are in the process of being hookup up to the extraction system.
- The B Area perched water extraction system removed 6,434 gallons in March, bringing the total volume of perched water removed to 193,825 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of March:

Contaminant	March	Cumulative (since startup)
Tc-99	8.0E-04 Ci	23,4E-03 Ci
Uranium	2.6 kg	39.7 kg
Nitrates	11.5 kg	395 kg

FY2014 P&T Operations



200 West P&T Operations



MAJOR ISSUES

Issue - Tribal approval of the Section 106 Cultural Review Document that will allow injection of apatite in the 100-NR-2 barrier wells has been delayed. Approval of this document is required before construction of the 100-NR-2 apatite barrier can begin. Further delays will impact our ability to complete the installation of an additional 1,000-ft of the barrier this fiscal year during high water.

Corrective Action - Three field tours of the 100-NR-2 apatite barrier have been provided to the Nez Perce, Umatilla, and Yakama. The Section 106 Cultural Review Document will be revised to include only the scope associated with apatite injection in the 100-NR-2 barrier wells. The revised document will then be re-submitted for Tribal approval.

Status - The revised Section 106 Cultural Review Document is scheduled to be submitted for Tribal approval by April 3, 2014. A follow-up meeting has been scheduled with the Tribes for April 14, 2014.

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-030/WBS 030				
SGW-045: Regulator Comments Change Requirements **SGW-008: Regulatory Documents Result in Significant Comments from Regulators**	A standardized approach has been developed to quickly evaluate and categorize comments for resolution. This process also identifies comments that will require management attention in order to achieve resolution. For significant comments, white papers are prepared for RL management concurrence. These white papers then form the basis to help resolve significant comments with the agencies. In addition, routine meetings are conducted to address agency comments and to remain current on the influences from agencies.	Yellow	No Change	Continue to work open issues with RL and Ecology. Significant progress has been achieved over the past several months to resolve Ecology's comments on the 100-D/H RI/FS through the preparation of white papers. These white papers are being successful in resolving Ecology's outstanding issues. Technical Position Papers (4 different, one on 5 issues) have also been submitted to RL and Ecology to resolve significant comments on the 100-N RI/FS. Additional discussions have been scheduled with Ecology to resolve comments.
SGW-004: Cultural Resource Reviews	Obtain cultural/ecological reviews before design progresses. Walk downs with cultural resource review teams (tribal, DOE, Engineering, etc.) to start early and be performed periodically throughout the process. Assign contractors to other activities while awaiting results. Work with the State Archeological and Historical Preservation office.	Red	No Change	CHPRC is working closely with MSA to accelerate cultural reviews and is developing a strategy for conducting areal reviews to eliminate the need for project by project reviews in the same areas. Separate meetings with the Tribes have been and continue to be scheduled to work with their specific concerns regarding 100-N Area.
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction SGW-007B: Analytical Reduction	Sampling reduction can be achieved by combining sample sites, promptly removing sample sites from the list once characterization is established to support regulatory down-posting, work with regulatory agencies to minimize sample sites and sampling frequencies (i.e. quarterly to yearly). Analytical and laboratory characterization can be achieved by working with regulatory agencies to minimize the analysis required, determining a standardized analyses runs, and working with the laboratories to streamline data validation processes.	Green	Increased Confidence	Several actions are underway to reduce the amount of groundwater sampling that is required by regulatory documents. First, three TPA CNs have been approved by EPA to reduce 300 Area post-ROD sampling. Second, revised monitoring plans based on refined sampling objectives for 100-K and 100-D/H have been provided to RL for review. Finally, a plan to reduce the number of overall SAPs and associated sampling is under preparation and was provided to RL by March 30, 2014.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-160: Failed Well Trips	Develop pre-sample inspection and performance plans for each well or well network. Perform pre-inspection trips to ensure the well can be accessed and include IH monitoring during the pre-inspection trip. Combine multiple well trips into one sampling event based on results of pre-sample inspection results. Utilize established procedures to respond to failed motors/equipment, high IH readings, and when to identify stop-work when conditions are outside established protocols. Reassign sampling crews to other wells if alternate work is available.			Pre-inspections continue to avoid failed trips.
SGW-159: Ability to Maintain Flow Rates through Pump and Treat Units	Acquire technical specialist in bio-reactor operation at 200 West P&T to oversee the complexity associated with the water volume/flow and evaluate optimization and nutrient additions to the bed reactor. Installation of additional extraction or injection wells is required to boost pumping rates to 2,000 gpm. Routine well maintenance/equipment maintenance program is essential to maximize operational efficiency and minimize down-time.			A full time bio-reactor specialist is now working at 200 West P&T. The specialist is working on optimizing volume of feed material (carbon substrate) and vitamins to the fluidized bed reactor. Four additional injection wells are scheduled to be installed in FY2014 to ensure there is adequate capacity to allow several injection wells to be offline for cleaning while still maintaining 2,000 gpm pumping rates.
SGW-092: 200 West P&T Operating Requirements	Overtime is utilized to perform critical corrective and preventative maintenance. As operations and maintenance knowledge is learned, staffing levels may be adjusted to achieve optimum P&T operation.			As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at a Pump & Treat	For the P&T facilities, maintenance will continue with the established Preventative Maintenance and Corrective Maintenance program. Utilize trending to monitor precipitate and bio-fouling of injection wells. Utilize trends to optimize well cleaning frequency to keep injection wells clear of precipitate and bio-fouling. Install additional injection wells to increase injection capacity and plan down-time for injection well cleaning cycles. Continue staff training on equipment and processes. Maintain spare-parts inventory.			Pump and treat plants operating as designed. 200-West P&T continuing to experience higher than planned maintenance due to injection well bio-fouling and instrumentation issues.

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 (%)
Total	8.2	8.6	7.1	0.4	4.7	1.5	17.2

Numbers are rounded to the nearest $0.1M.

CM Schedule Performance (+$0.4M/4.7%) is within reporting thresholds.

CM Cost Performance (+$1.5M/+17.2%) exceeds reporting thresholds due to:
There was a negative cost variance due to costs for samples that were analyzed in March being higher priced than the average analysis. In addition, water level measurements for approximately 900 wells were taken in March. The negative cost variance was offset by the following:

- The 100-BC aquifer tube sampling team gained experience from the initial sampling and implemented efficiencies through refinement of the sample collection procedures, tools and techniques to the point that the effort has become streamlined and initial difficulties eliminated.
- The well re-alignment contract costs were lower than planned for March.
- BCR-30-14-002R1 was processed in March allowing SGRP to take progress in March for work that was costed in January and February based on the NTE from RL.
- Discontinued an accrual for subcontracted support from Biosec Environmental. The commitment had been previously accrued due to uncertainty about future legal action. Contract closeout for the Biosec subcontract is complete and the vendor has released all claims.
- Vehicle maintenance and fleet service costs were lower than expected due to less inspection and maintenance work than planned.

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)
Total	950.9	951.2	942.3	0.3	0.0	8.9	0.9	1,510.8	1,498.7	12.2

Numbers are rounded to the nearest $0.1M.

CTD Schedule Performance ($0.3M/0.0%)
Variance is within reporting thresholds.

CTD Cost Performance (+$8.9M/+0.9%)
Variance is within reporting thresholds.

Estimate at Completion (EAC)
The Estimate at Completion change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2014		
RL-0030 Soil and Groundwater Remediation	Projected Funding	Spending Forecast	Spend Variance
RL-0030	121.5	118.8	2.6

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis
Projected Funding remained unchanged at $121.5M. The spending forecast was decreased from $120.3M to $118.8M based on actual contract costs to date for well drilling and actual costs for fleet services.

Critical Path Schedule
Critical path analysis can be provided upon request.

Baseline Change Requests
BCR-030-14-006R0 - *Adapt EIS Model for Groundwater OU Application*
BCR-030-14-002R1 - *Incorporate CO #246 NTE for 200-UP-1 Technical Feasibility Eval for Implementation of Uranium Treatment at 200-West P&T*
BCR-PRC-14-007R0 - *Transfer Work Scope from CLIN 7*

FY2014 Management Reserve (Funded): $0.75M
No Management Reserve was used during March.

MILESTONE STATUS

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

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-112	Submit Draft B, 200-IS-1 Operable Unit Pipeline System Waste Sites RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			Resolution dispute was extended on March 12, 2014 via TPA change notice to June 30, 2014.
M-015-113	Submit Draft B, 200-SW-2 Radioactive Landfills Group RFI/CMS/RI/FS Work Plan to Ecology	TPA	2/28/14			Resolution dispute was extended on March 12, 2014 via TPA change notice to June 30, 2014.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-024-58G	Initiate Discussions of Well Commitments	TPA	6/1/14		6/1/14	On schedule
M-091-40L-042	PMM Submittal Jan-Mar 2nd Qtr. FY2014 Burial Ground Sample Results	TPA	6/15/14		6/15/14	On schedule
M-037-02	Submit Revised Closure Plans for Five Specified TSD Units	TPA	6/30/14			On schedule. RL is self-performing the preparation of these closure plans with CHPRC review support.
M-024-65-T01	Conclude Discussions of Well Commitments	TPA	8/1/14		8/1/14	On schedule
M-091-40L-043	PMM Submittal Apr-Jun 3rd Qtr. FY2014 Burial Ground Sample Results	TPA	9/15/14		9/15/14	On schedule
M-015-38B	Submit Revised FS & PP for 200-CW-1, 200-CW-3, & 200-OA-1 Operable Units	TPA	10/30/14			Milestone is not funded in FY2014 and will be replanned as part of upcoming agency discussions.
M-91-40L-044	PMM Submittal Jul-Sep 4th Qtr. FY2014 Burial Ground Sample Results	TPA	12/15/14		12/15/14	On schedule
M-024-65	DOE Shall Complete Construction of all Wells Listed	TPA	12/31/14		12/31/14	On schedule
M-091-40L-045	PMM submittal Oct-Dec 1st Qtr. FY2015 Burial Ground Sample Results	TPA	3/15/15		3/15/14	On schedule
M-015-110A	Submit RFI/CMS & RI/FS Work Plan for 200-DV-1 OU to Ecology	TPA	3/31/15		3/31/15	On schedule

SELF-PERFORMED WORK

The Section H.20 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)

CH2MHILL
Plateau Remediation Company

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

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, correcting posting issues), conducted 64 radiological facility surveillances, and completed 35 preventive maintenance (PM) activities. The project also completed site prep for PUREX Tank 11 asbestos abatement.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

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

- Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
- Completed:
  - 64 radiological facility surveillances
  - 35 preventive maintenance (PM) activities
- Completed site prep for PUREX Tank 11 asbestos abatement
  - Completed 25% of scaffolding installation
  - Locked down and wrapped existing asbestos on tank
  - Installed two bands around material

- Completed first Tri-Annual 200E and 200W Area Waste Site surveillances
- Completed Annual B Plant stack testing
- Implemented Central Plateau Optimization Strategy Work Breakdown Structure (WBS) into Baseline planning (for February performance)

MAJOR ISSUES

None at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-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.	Working - No Concerns	No Change	Continuing corrective maintenance activities. No unplanned events encountered.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.	Working - No Concerns	No Change	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.	Working - Concern	Increased Confidence	Removed fallen asbestos and mobilizing resources to remove remaining asbestos from the PUREX Tank to reduce risk of unexpected industrial contamination.
D4-064: Aging Building Systems/Components	The facilities have been placed in Surveillance and Maintenance mode. Perform as-scheduled maintenance activities. Perform appropriate regulatory agency and DOE notifications for system failures or prolonged outage. Continually evaluate system maintenance frequencies.	Working - Concern	Increased Confidence	DOE has authorized Canyon Facility Risk Mitigation activities including roof repairs, regulatory documentation to support remediation of degraded facilities, and investigation of PUREX contamination. This scope has been added to the baseline.
D4-067: Increased Asbestos Abatement	Minimal pre-mitigation is possible. Conduct asbestos abatement to maintain a safe and complaint work site.	Working - Concern	No Change	Developing prioritization of abandoned steam line removal sections should additional funding become available. Initiated planning to repair/abate ~1,100 linear feet of steam line.

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	1.2	0.9	0.9	(0.2)	-20.3%	0.1	6.7%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance: (-$0.2M/-20.3%)
Variance is within threshold.

CM Cost Performance: (+$0.1M/+6.7%)
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	382.2	381.3	351.4	(1.0)	-0.3%	29.9	7.8%	491.8	460.1	31.7

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance: (-$1.0M/-0.3%)
Variance is within threshold.

CTD Cost Performance: (+$29.9M/+7.8%)
The favorable cost variance is due to prior year activity that has been previously reported including:

- ARRA-funded work scope included efficiencies with Program Management ($2.6M), Cold and Dark and Characterization/Waste Identification Form teams ($4.0M), lower than planned capital equipment costs ($3.0M) and efficiencies with Arid Lands Ecology (ALE) ($3.7M), North Slope Facilities ($1.2M), disposition of railcars D&D ($2.1M), and Industrial 7 Project ($3.6M); this is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects ($-15.3M). Efficiencies in Outer Area Waste Sites ($6.7M) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, ERDF passback which includes the operational efficiencies associated with use of the super dump truck. In addition, under runs in overhead allocation and Usage Based Services ($7.3M) contributed to the favorable cost variance.
- The remaining CTD favorable cost variance in base-funded work is due to efficiencies for waste site remediation and D4 activities as a result of utilization of existing site equipment and less resources ($1.4M), S&M costs less than expected ($4.0M), U Plant completion of the sampling of Cell 30 with less resources than planned ($1.1M), Program Management utilizing less resources ($3.0M) and under run in overhead allocations ($1.5M).

Estimate at Completion (EAC)
The BAC and EAC include FY2009 through FY2018.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2014		
WBS 040/RL-0040 Nuclear Facility D&D	Projected Funding	Spending Forecast	Spend Variance
RL-0040	13.2	12.7	0.5

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis
Projected Funding and Spending Forecast are unchanged from the prior month.

Critical Path Schedule
Critical path analysis can be provided upon request.

Baseline Change Requests
BCR-PRC-14-007R0 – *Transfer of Work Scope from CLIN 7*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

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

CH2MHILL
Plateau Remediation Company

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

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

Awarded 105KE roof repair contract to Watts Construction. Completed routine surveillances. Continued planning for asbestos abatement in the 165KE facility.

EMS OBJECTIVES AND TARGET STATUS

Objective #	Objective	Target	Due Date	Status
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	09/30/14	On Schedule

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- 105KE Roof Repair:
  - Awarded 105KE Roof Repair Contract to Watts Construction
  - Preparing to move backfill material on April 21, 2014 to facilitate roof access
- Work package preparation for utility isolation at MO-293 and MO-442 demolition is in process
- Continued planning for asbestos abatement in 165KE (work package nearing completion)
- Completed Surveillances
  - Radiological – 10
  - WIDS – 4

MAJOR ISSUES

Issue:
As a result of high winds on January 11, 2014, the roof structure over the "C" elevator counter weight area was blown off at 105KE Reactor. The section of roof that was removed left a hole approximately 2'x9'.

Corrective Action:
The roof that has been removed will be repaired to eliminate any biological or environmental issues.

Status:
Work planning is complete. 105KE roof repair contract awarded to Watts Construction. Preparing to move backfill material on April 21, 2014. Roofing repairs will be initiated once dirt work is complete.

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				
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
KBC-043: Waste Site Remediation Completion Requirements	Regulator acceptance that cleanup criteria have been achieved on a waste site by waste site basis. The Project may be directed to install monitoring wells to determine if contamination is detected in ground water.			Installation of two additional KE Characterization wells. UPR-100-K1; 116-KE-3. Buy Back authorized $1.1M (in 2014 FYSF). Awaiting DOE contract change order/modification to initiate change proposal and planning.
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.			No concerns.
KBC-ISS-004: Unforeseen Facility Event Impacts Safety or Environment	The ISMS processes and facility worker training will identify and correct weaknesses such that hazards are eliminated prior to an event. However, some events are unpredictable.			In January, sustained high winds were experienced at the 100-K Area. The winds caused damage to both the K-East Reactor and the K-West Reactor roof. Additionally, parking lot light poles were blown over. DOE authorized the repair of KE Roof and the scope has been added to the 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	0.7	0.8	0.2	(0.1)	11.0%	0.6	72.2%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance (-$0.1M/-11.0%)

The variance is within reporting threshold.

CM Cost Performance (+$0.6M/+72.2%)

The current month favorable cost variance is due to the implementation of planned efficiencies in the Program Management accounts. The project is able to perform planned work while being able to direct resources to other CHPRC priority work scope. This is the result of aggressive resource sharing strategies.

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	305.3	305.4	280.9	0.1	0.0%	24.5	8.0%	392.9	369.2	23.8

Numbers are rounded to the nearest $0.1M

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

The schedule variance is within threshold.

CTD Cost Performance (+$24.5M/+8.0%)

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

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST ($M)

	FY2014		
WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	Projected Funding	Spending Forecast	Spend Variance
RL-0041	10.1	7.4	2.6

Numbers are rounded to the nearest $0.1M.

Funds/Variance Analysis:
Projected Funding is unchanged from the prior month and remains at $10.1M. The change in FY2014 Spending Forecast from $9.1M to $7.4M is primarily the result of 165KE Abatement scope being delayed into FY2015 (lack of available resources), reduced Boreholes to the NTE value, and anticipated cost savings in the 105KE Roof Repair (reflects current schedule and estimate).

Critical Path Schedule
Critical Path Analysis can be provided upon request.

Baseline Change Requests
BCR041-14-001R0 - *Transfer of Work Scope from CLIN 7 to Capital Asset Project*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G
Fast Flux Test Facility Closure
(RL-0042)

CH2MHILL
Plateau Remediation Company

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

March 2014
CHPRC-2014-03, 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
14-EMS-DWF&RS-OB1-T1	Conserve resources and reduce the generation and/or toxicity of waste at the source.	Continue inspection and management review of material and equipment storage areas at frequencies determined necessary by line management to assure continued protection of property from loss, deterioration, or damage.	9/30/14	On Schedule

TARGET ZERO PERFORMANCE

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

KEY ACCOMPLISHMENTS

- **400 Area Septic System**
  - Performed system testing
- **Completed**
  - Eight PM activities/operational surveillances
  - Nine radiological surveillances
  - Evaluated alternate storage location for material and completed move from 440 Pad to Building 4802
    - Continue to disposition material from the 440 Pad for excess/waste

MAJOR ISSUES

Issue – Due to the configuration of the storage location, biological hazards are an issue at the 440 pad, which stores universal waste and a variety of chemicals.
Corrective Action – Relocate material to a suitable covered location; Building 4802.
Status – Continue material relocation to Building 4802 as resources are available.

Issue – Fire System devices are degrading due to the age of the equipment (e.g. pull-boxes, chimes)
Corrective Action – Work with the Fire System Maintenance organization to complete timely repairs of affected equipment
Status – Generate new work packages and perform repairs as resources become available

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

Working - No Concerns
Working - Concern
Working - Critical

Increased Confidence
No Change
Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-0042				
FFTF-012: Major Equipment or Structural Failure	FFTF suffers a major equipment failure or structural deterioration while in the Surveillance and Maintenance mode			Continuing corrective maintenance activities. No unplanned events encountered.
FFTF-014: Disposition of FFTF Waste Water	Work with DOE and regulatory agencies for design and operational requirements. Place requirements into sub-contracted statement of work for new sewer system. Incorporate on-going maintenance and interface items into out –year planning documents with CHPRC and MSA (as appropriate).			Closeout and punch list items associated with ENW isolation are complete – Reporting on this risk will be discontinued.

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	2.6%	0.0	5.2%

Numbers are rounded to the nearest $0.1M

CM Schedule Performance: (+$0.0M/+2.6%)
The current period schedule variance is within thresholds.

CM Cost Performance: (+$0.0M/+5.2%)
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	17.1	17.1	14.6	0.0	0.0%	2.5	14.7%	26.5	24.2	2.3

Numbers are rounded to the nearest $0.1M

CTD Schedule Performance (+$0.0M/+0.0%)
The schedule variance is within reporting thresholds.

CTD Cost Performance (+$2.5M/+14.7%)
The favorable CTD cost variance reflects efficient use of resources to support deactivation activities.

Estimate at Completion (EAC)
The BAC and EAC include FY2009 through FY2018, the PRC contract period.

The change in EAC from February to March is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS VS. SPEND FORECAST ($M)

	FY2014		
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
RL-0042	2.3	1.7	0.6

Numbers are rounded to the nearest $0.1M

Funds Analysis
Projected Funding and Spending Forecast are unchanged from the prior month.

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

Baseline Change Requests
None at this time.

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

The Section H.20 clause entitled, “Self-Performed Work,” is addressed in the 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

CH2MHILL
Plateau Remediation Company

March 2014
CHPRC-2014-03, 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) 2014 / 02 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2014 / 03 / 23
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. CONTRACT DATA

a. QUANTITY	b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK	d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE	g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING	i. DATE OF OTB/OTS
	5,468,322	12,562	228,497	5,696,819	5,583,129	5,696,819	5,583,129	

6. ESTIMATED COST AT COMPLETION

7. AUTHORIZED CONTRACTOR REPRESENTATIVE

	MANAGEMENT ESTIMATE AT COMPLETION (1)	CONTRACT BUDGET BASE (2)	VARIANCE (3)
a. BEST CASE	5,271,082		
b. WORST CASE	5,431,424		
c. MOST LIKELY	5,354,632	5,480,884	126,252

a. NAME (Last, First, Middle Initial)	b. TITLE	c. SIGNATURE	d. DATE SIGNED
Corman, R. K.	Prime Contract Manager		3/23/2014

8. PERFORMANCE DATA

WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
ITEM (1)	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
011 RL-11 NM Stabilization and Disposition PFP	9,151	5,303	7,045	(3,848)	(1,743)	673,775	652,646	685,510	(21,128)	(32,863)	0	0	0	933,407	950,666	(17,259)
012 RL-12 SNF Stabilization and Disposition	4,298	3,898	4,029	(400)	(131)	408,582	407,793	417,428	(789)	(9,635)	0	0	0	690,920	699,585	(8,665)
013 RL-13 Solid Waste Stabilization & Disposition	7,310	7,161	5,468	(149)	1,693	830,815	830,992	805,064	177	25,928	0	0	0	1,341,770	1,268,707	73,062
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	8,202	8,585	7,111	384	1,475	950,858	951,201	942,289	343	8,912	0	0	0	1,510,808	1,498,650	12,158
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,156	921	859	(235)	61	382,241	381,284	351,391	(957)	29,893	0	0	0	491,797	460,134	31,663
041 RL-41 Nuclear Facility D&D - River Corridor	691	767	213	76	554	305,318	305,395	280,867	77	24,528	0	0	0	392,942	369,180	23,761
042 RL-42 FFTF Closure	157	161	153	4	8	17,082	17,083	14,570	1	2,513	0	0	0	26,492	24,158	2,334
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	**30,965**	**26,796**	**24,878**	**(4,168)**	**1,918**	**3,568,670**	**3,546,393**	**3,497,118**	**(22,277)**	**49,275**	0	0	0	**5,388,137**	**5,271,082**	**117,055**
f. Management Reserve														83,550		
g. Total	**30,965**	**26,796**	**24,878**	**(4,168)**	**1,918**	**3,568,670**	**3,546,393**	**3,497,118**	**(22,277)**	**49,275**	0	0	0	**5,471,687**		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									**(22,277)**	**49,275**				**5,471,687**	**5,271,082**	**200,605**

Block 5a-h differences, if any, to B.4-1 Table values are addressed by in-process BCR(s).

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) 2014 / 02 / 24
b. LOCATION (Address and ZIP Code) Richland, WA	b. NUMBER RL14788		b. PHASE	b. TO (YYYYMMDD) 2014 / 03 / 23
	c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO YES X 9/18/2009	

5. PERFORMANCE DATA

FOC / ITEM (1)	CURRENT PERIOD BUDGETED COST WORK SCHEDULED (2)	CURRENT PERIOD BUDGETED COST WORK PERFORMED (3)	CURRENT PERIOD ACTUAL COST WORK PERFORMED (4)	CURRENT PERIOD VARIANCE SCHEDULE (5)	CURRENT PERIOD VARIANCE COST (6)	CUMULATIVE TO DATE BUDGETED COST WORK SCHEDULED (7)	CUMULATIVE TO DATE BUDGETED COST WORK PERFORMED (8)	CUMULATIVE TO DATE ACTUAL COST WORK PERFORMED (9)	CUMULATIVE TO DATE VARIANCE SCHEDULE (10)	CUMULATIVE TO DATE VARIANCE COST (11)	REPROGRAMMING ADJUSTMENTS COST VARIANCE (12a)	REPROGRAMMING ADJUSTMENTS SCHEDULE VARIANCE (12b)	REPROGRAMMING ADJUSTMENTS BUDGET (13)	AT COMPLETION BUDGETED (14)	AT COMPLETION ESTIMATED (15)	AT COMPLETION VARIANCE (16)
34 - Envr Program & Strategic Planning																
340 - Environmental Prog & Regl Mgt	446	446	447	0	(1)	44,821	44,821	41,209	0	3,612	0	0	0	82,660	78,653	4,007
	446	**446**	**447**	**0**	**(1)**	**44,821**	**44,821**	**41,209**	**0**	**3,612**	**0**	**0**	**0**	**82,660**	**78,653**	**4,007**
35 - Business Services																
35D - Contract Mgmt & Facility Srvcs	0	0	0	0	0	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)
35K - PRC Finance	0	0	0	0	0	429,349	429,349	405,709	0	23,640	0	0	0	429,349	405,709	23,640
	0	**0**	**0**	**0**	**0**	**452,396**	**452,396**	**429,230**	**0**	**23,167**	**0**	**0**	**0**	**452,396**	**429,230**	**23,167**
36 - Prime Cont & Project Integration																
360 - Prime Cont & Prj Integration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
362 - Strategic Pln & Mgmt	153	129	89	(25)	40	262	322	127	61	195				1,215	1,207	9
363 - EVMS Compl & Rptg	0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0
	153	**129**	**89**	**(25)**	**40**	**20,389**	**20,450**	**20,255**	**61**	**195**	**0**	**0**	**0**	**21,343**	**21,334**	**9**
38 - Project Technical Services																
382 - Training & Procedures	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
385 - K Annex Construction & ECRTS	1,569	1,262	1,798	(306)	(536)	29,397	28,912	48,889	(485)	(19,977)	0	0	0	88,137	105,347	(17,211)
	1,569	**1,262**	**1,798**	**(306)**	**(536)**	**29,397**	**28,912**	**48,889**	**(485)**	**(19,977)**	**0**	**0**	**0**	**88,137**	**105,347**	**(17,211)**
3B - PFP Closure																
3B0 - PFP Close/BOSS D&D & Infastruc	1,943	606	1,922	(1,337)	(1,316)	134,999	130,164	143,222	(4,835)	(13,058)	0	0	0	211,305	224,499	(13,194)
3B3 - Project Management/Subcontracts	2,600	1,040	1,692	(1,559)	(652)	122,089	117,904	125,619	(4,185)	(7,714)				185,541	187,173	(1,632)
3B4 - Engrg Nuc Saf Plng&Wrk Control	1,451	1,451	1,094	0	357	38,044	38,044	33,683	0	4,361	0	0	0	74,095	68,576	5,519
3B7 - Environmental & Waste	678	665	505	(13)	160	47,604	47,577	38,742	(27)	8,835				73,369	65,381	7,988
3BA - Project Mgmt D&D	1,019	1,012	1,096	(7)	(84)	142,261	142,281	144,851	20	(2,570)				168,021	171,059	(3,038)
3BB - PFP D4 Deputy Project Mgmt	2,040	1,184	943	(857)	241	350,121	338,097	346,807	(12,024)	(8,710)	0	0	0	461,829	461,985	(156)
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	1	0	(1)	0	0	0	0	1	(1)
	9,730	**5,958**	**7,251**	**(3,772)**	**(1,293)**	**835,119**	**814,068**	**832,925**	**(21,051)**	**(18,857)**	**0**	**0**	**0**	**1,174,160**	**1,178,673**	**(4,513)**
3C - W&FMP/D&DD Project																
3AD - Sludge Treatment Project	2,730	2,636	2,230	(94)	405	319,872	319,568	311,699	(304)	7,869	0	0	0	543,470	537,397	6,073
3C4 - Waste & Fuels Project Controls	2,299	2,207	1,434	(92)	773	182,612	182,567	191,886	(46)	(9,319)				318,088	313,004	5,084
3C5 - TRU Project	0	0	0	0	0	49,140	49,140	52,386	0	(3,247)	0	0	0	49,140	52,386	(3,247)
3C9 - Liquid & Fuels Storage	2,813	2,811	2,423	(2)	388	167,126	167,213	157,554	87	9,660				398,768	377,881	20,887
3CA - W&FMP Engineering	0	0	0	0	0	0	0	2	0	(2)				0	2	(2)
3CD - Waste Disposition	3,470	3,209	2,543	(261)	666	709,301	708,419	667,403	(881)	41,016	0	0	0	979,368	914,576	64,792
	11,311	**10,862**	**8,630**	**(450)**	**2,232**	**1,428,051**	**1,426,906**	**1,380,929**	**(1,144)**	**45,978**	**0**	**0**	**0**	**2,288,833**	**2,195,247**	**93,587**
3D - Soil & Groundwater Remediation																
3D0 - Soil & Groundwater Remediation	1,636	1,533	1,584	(103)	(51)	90,191	90,616	93,566	426	(2,950)	0	0	0	191,709	194,577	(2,868)
3D2 - GW Remediation Support	1,567	2,033	1,829	466	205	137,653	137,812	128,882	159	8,930	0	0	0	275,112	264,433	10,679
3D4 - GW Operations	1,160	1,160	918	0	242	90,344	90,344	77,755	0	12,588				164,341	151,156	13,185
3D8 - GW Analysis and Reporting	3,393	3,413	2,333	21	1,081	440,310	440,068	443,478	(242)	(3,410)	0	0	0	649,447	652,432	(2,985)
	7,756	**8,139**	**6,663**	**384**	**1,476**	**758,497**	**758,840**	**743,681**	**343**	**15,158**	**0**	**0**	**0**	**1,280,609**	**1,262,599**	**18,010**
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	**30,965**	**26,796**	**24,878**	**(4,169)**	**1,918**	**3,568,670**	**3,546,393**	**3,497,118**	**(22,277)**	**49,275**	**0**	**0**	**0**	**5,388,137**	**5,271,082**	**117,056**
f. Management Resrv.														83,550		
g. Total	**30,965**	**26,796**	**24,878**	**(4,169)**	**1,918**	**3,568,670**	**3,546,393**	**3,497,118**	**(22,277)**	**49,275**	**0**	**0**	**0**	**5,471,687**		

FORMAT 3, DD FORM 2734/3, BASELINE

March 2014 Monthly Report

CONTRACT PERFORMANCE REPORT — **Form Approved**

FORMAT 3 - BASELINE — **DOLLARS IN THOUSANDS** — **OMB No. 0704-0188**

1. CONTRACTOR	2. CONTRACT	3. PROGRAM	4. REPORT PERIOD
CH2M HILL Plateau Remediation Company	a. NAME: Plateau Remediation Contract	a. NAME: Plateau Remediation Contract	a. FROM: 2014/02/24
b. LOCATION:	b. NUMBER: RL14788	b. PHASE	b. TO: 2014/03/23
Richland, WA	c. TYPE: CPAF	c. EVMS ACCEPTANCE	
	d. SHARE RATIO:	NO YES X 9/18/2009	

5. CONTRACT DATA

a. ORIGINAL NEGOTIATED COST	b. NEGOTIATED CONTRACT CHANGE	c. CURRENT NEGOTIATED COST (A + B)	d. ESTIMATED COST AUTH UNPRICED WORK	e. CONTRACT BUDGET BASE (C + D)	f. TOTAL ALLOCATED BUDGET	g. DIFFERENCE (E - F)
4,312,366	$1,155,956	$5,468,322	$12,562	$5,480,884	$5,471,687	$9,197

h. CONTRACT START DATE	i. DEFINITIZATION DATE	j. PLANNED COMPL DATE	k. CONT COMPLETION DATE
6/19/2008	6/19/2008	9/30/2018	9/30/2018

6. PERFORMANCE DATA

BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)

ITEM	BCWS CUM TO DATE	BCWS FOR REPORT PERIOD	SIX MONTH FORECAST +1 Apr-14	+2 May-14	+3 Jun-14	+4 Jul-14	+5 Aug-14	+6 Sep-14	FY09-13	FY14	FY15	FY16	FY17	FY18	UNDISTRIB BUDGET	TOTAL BUDGET
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
a. PM BASELINE																
(BEGIN OF PERIOD)	**3,568,056**	**30,351**	**29,236**	**36,458**	**28,905**	**29,318**	**38,457**	**39,098**	**3,391,477**	**378,052**	**434,125**	**423,382**	**372,722**	**382,041**	**0**	**5,381,798**
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																
BCR-013-14-008R0 - Prepare Acquisition Strategy and RFP for WESF Dry Storage																**0**
BCR-013-14-009R0 - Incorporate NTE for CO #228, Activities in Support of Ecology Agreed Order										**1,215**						**1,215**
BCR-013-14-010R0 - Incorporate NTE for CO #236, Retention Transfer System Transfer to WCH										**91**						**91**
BCR-030-14-002R1 - Incorporate NTE for CO #246, UP-1 Technical Feasibility Evaluation for Implementation of Uranium Treatment at 200W P&T										**178**						**178**
BCR-030-14-006R0 - Adapt EIS Model for Groundwater OU Application																**0**
BCR-041-14-001R0 - Transfer of Work Scope from CLIN 7 to Capital Asset Project										**560**		**1,909**				**2,469**
BCR-PRC-14-007R0 - Transfer of Work Scope from CLIN 7										**2,224**		**162**				**2,385**
BCRA-011-14-002R1 - Chemical Mitigation Draining Activities																**0**
c. PM BASELINE (END OF PERIOD)	**3,568,670**	**30,965**	**30,270**	**37,238**	**29,428**	**29,823**	**38,990**	**39,376**	**3,391,477**	**382,319**	**434,125**	**425,453**	**372,722**	**382,041**	**0**	**5,388,137**
7. MANAGEMENT RESERVE																**83,550**
8. TOTAL																**5,471,687**

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

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT
FORMAT 4 - STAFFING

FORM APPROVED
OMB No. 0704-0188

1. CONTRACTOR	2. CONTRACT		3. PROGRAM	4. REPORT PERIOD
a. NAME	a. NAME		a. NAME	a. FROM (YYYYMMDD)
CH2M HILL Plateau Remediation Company	Plateau Remediation Contract		Plateau Remediation Contract	2014 / 02 / 24
b. LOCATION (Address and ZIP Code)	b. NUMBER		b. PHASE	
Richland, WA	RL14788			b. TO (YYYYMMDD)
	c. TYPE	d. SHARE RATIO	c. EVMS ACCEPTANCE	
	CPAF		NO 9/18/2009	2014 / 03 / 23

5. PERFORMANCE DATA (All figures in whole numbers of equivalent month. One equivalent month equals on person working one month)

Organizational Breakdown Structure (OBS)	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)							AT COMPLETION
			SIX MONTH FORECAST							
ITEM			+1 Apr	+2 May	+3 Jun	+4 Jul	+5 Aug	+6 Sep	FY15-18	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(13)	(15)
300 - PRC Project Management										
300 - Office of the President	5	399	5	5	5	5	5	5	247	676
	5	**399**	**5**	**5**	**5**	**5**	**5**	**5**	**247**	**676**
303 - Internal Audit										
303 - Internal Audit	4	283	4	4	4	4	4	4	188	495
	4	**283**	**4**	**4**	**4**	**4**	**4**	**4**	**188**	**495**
304 - General Counsel										
304 - General Counsel	4	270	4	4	4	4	4	4	188	483
	4	**270**	**4**	**4**	**4**	**4**	**4**	**4**	**188**	**483**
31 - Communications & Outreach										
310 - Strategic Planning & Outreach	8	661	8	7	8	8	8	8	330	1,038
	8	**661**	**8**	**7**	**8**	**8**	**8**	**8**	**330**	**1,039**
32 - Safety, Health, Security & Quality										
320 - Safety Health Security/Quality	26	1,853	25	25	25	24	25	25	1,154	3,156
321 - RAD PRO/Emergency Prep	10	744	8	8	8	8	8	8	391	1,185
322 - Nuclear Ops Supp & Compliance	5	685	7	7	7	7	7	7	353	1,081
324 - Quality Assurance	13	1,564	16	16	16	16	16	16	764	2,426
	54	**4,848**	**57**	**57**	**57**	**56**	**56**	**56**	**2,662**	**7,848**
34 - Environmental Prog & Strategic Planning										
340 - Environmental Prog & Regl Mgt	36	2,077	40	40	42	41	41	40	2,250	4,571
341 - Environmental Protection	0	1,000	0	0	0	0	0	0	0	1,000
	36	**3,077**	**40**	**40**	**42**	**41**	**41**	**40**	**2,250**	**5,572**
35 - Business Services										
35D - Contract Mgmt & Facility Srvcs	28	2,995	28	28	28	28	28	29	1,331	4,496
35F - Industrial Relations	4	337	4	4	4	4	4	4	223	584
35H - Human Resources	15	927	14	14	14	14	14	14	646	1,656
35K - PRC Finance	11	867	12	12	12	12	12	12	517	1,453
	58	**5,126**	**57**	**58**	**58**	**58**	**58**	**58**	**2,717**	**8,188**
36 - Prime Contract & Project Integration										
360 - Prime Cont & Prj Integration	0	1	0	0	0	0	0	0	0	1
361 - Cont Compl & Change Mgmt	11	495	13	13	13	13	13	13	611	1,183
362 - Strategic Pln & Mgmt	21	1,161	23	23	23	23	23	23	893	2,192
363 - EVMS Compl & Rptg	16	1,203	16	16	16	16	16	16	658	1,956
	47	**2,860**	**52**	**52**	**52**	**51**	**51**	**51**	**2,162**	**5,331**
38 - Project Technical Services										
381 - Central Engineering	8	509	10	10	10	11	10	10	438	1,010
382 - Training & Procedures	9	2,034	9	9	9	9	9	9	400	2,486
383 - Operations Programs	6	724	7	8	8	8	8	8	282	1,053
384 - Project Delivery	9	995	8	8	8	7	9	8	376	1,420
385 - K Annex Construction & ECRTS	43	1,379	31	31	31	31	30	30	1,404	2,966
	75	**5,641**	**65**	**66**	**66**	**65**	**66**	**65**	**2,900**	**8,935**
3B - PFP Closure										
3B0 - PFP Close/BOSS D&D & Infastruc	72	4,866	65	70	69	60	60	58	1,804	7,051
3B3 - Project Managment/Subcontracts	73	6,305	75	86	98	99	98	98	1,603	8,462
3B4 - Engrg Nuc Saf Plng&Wrk Control	63	1,739	57	57	56	61	61	61	1,446	3,536
3B7 - Environmental & Waste	30	2,455	30	29	29	29	29	29	831	3,459
3BA - Project Mgmt D&D	71	10,327	68	68	65	67	64	64	1,051	11,774
3BB - PFP D4 Deputy Project Mgmt	60	15,486	67	70	94	94	98	91	3,899	19,899
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0
	369	**41,178**	**361**	**379**	**410**	**411**	**409**	**401**	**10,633**	**54,182**
3C - W&FMP/D&D Project										
3AD - Sludge Treatment Project	117	14,087	121	121	121	122	122	122	7,398	22,215
3C4 - Waste & Fuels Project Controls	50	6,144	45	44	45	46	46	46	2,980	9,396
3C5 - TRU Project	0	582	0	0	0	0	0	0	0	582
3C9 - Liquid & Fuels Storage	140	9,998	146	146	146	146	142	142	7,952	18,817
3CD - Waste Disposition	142	32,514	145	161	167	152	133	129	8,645	42,046
	449	**63,325**	**456**	**473**	**478**	**466**	**444**	**440**	**26,975**	**93,057**
3D - Soil & Groundwater Remediation										
3D0 - Soil & Groundwater Remediation	38	2,650	34	34	35	35	36	36	1,841	4,699
3D2 - GW Remediation Support	57	5,242	53	60	68	71	63	60	3,111	8,727
3D4 - GW Operations	52	4,513	49	54	55	55	53	54	2,651	7,484
3D8 - GW Analysis and Reporting	109	10,651	132	144	164	154	129	120	5,402	16,896
	256	**23,056**	**268**	**291**	**321**	**315**	**281**	**270**	**13,005**	**37,807**
Grand Totals:	**1,367**	**150,722**	**1,377**	**1,435**	**1,505**	**1,485**	**1,428**	**1,402**	**64,257**	**223,613**

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) 2014/02/24
b. LOCATION (Address and ZIP Code) Richland, WA 99354	b. NUMBER DE-AC06-08RL14788		b. PHASE Base	b. TO (YYYY/MM/DD) 2014/03/23
	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:	30,965	26,796	24,878	(4,169)	-13.5%	1,918	7.2%	0.87	1.08
Cumulative:	3,568,670	3,546,393	3,497,118	(22,277)	-0.6%	49,275	1.4%	0.99	1.01
	BAC	EAC	VAC in $	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,388,137	5,271,082	117,055	2.2%	0.97	1.04			

Explanation of Variance/Description of Problem:

Current Period Schedule Variance: The Current Month Schedule Variance is primarily due to RL-0011, Re-sequencing work in the 242-Z Americium Facility, to align with the availability of D&D workers, which has delayed preparations and initial entry activities in support of 242-Z D&D activities. The 234-5Z duct level work has been re-planned to align with an area vs. system approach and a change in the PFP demolition sequence changing the need for work in the duct level to start later in the fiscal year. Ventilation issues, work package modifications, more extensive high gram RMA/RMC glove box decontamination, NDA efforts, and the project-wide Beryllium Stop Work are also contributing to this negative variance. Apportioned activities in the D&D Project Support account that align with the delays in D&D work scope (primarily balance of 234-5Z work scope), unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing Pencil Tank 38-Failed, are also contributing to this variance.

Current Period Cost Variance: The Current Month Cost Variance is due to realization of planned efficiencies in multiple projects.

Cumulative Schedule Variance: The Cumulative Schedule Variance is within reporting thresholds.

Cumulative Cost Variance: The Cumulative Cost Variance is within reporting thresholds.

Impact:

Current Period Schedule: See Current Period Schedule Corrective Actions below.

Current Period Cost: Current period cost impacts have been incorporated into the lifecycle EAC.

CTD Schedule: No significant impacts have been identified.

CTD Cost: No significant impacts have been identified.

Corrective Action:

Current Period Schedule: Corrective actions underway for PFP, RL-0011 to include continued utilization of HAMTC Collective Bargaining Agreement Craft Alignment, which is trending to increased time on tools, starting to recognize increased time on respirator, which will ultimately result in increasing efficiencies and recovering the negative cost and schedule variances on the PFP project. CHPRC is also pursuing a significant change in the current PFP safety basis and criticality analysis, which if approved would allow an increase to the currently allowed fissile inventory for loading gloveboxes outside the facility. This is expected to reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage. These changes will also increase the efficiencies of future work activities and are expected to enable additional recovery of the cost and schedule variances seen to date.

Current Period Cost: Corrective Actions are pending review of current period impacts, if any, on the lifecycle EAC.

CTD Schedule: No Corrective Actions are required.

CTD Cost: No Corrective Actions are required.

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

For March, the project was 13.5% behind schedule and 7.2% under planned cost. For FY2014, the project is 7.7% behind schedule and 5.7% under planned cost. Overall schedule performance in March was primarily attributed to RL-0011, which continued behind schedule due to re-sequencing work in the 242-Z Americium Facility, to align with the availability of D&D workers delaying preparations and initial entry activities in support of 242-Z. The 234-5Z duct level work has been re-planned to align with an area vs. system approach and a change in the PFP demolition sequence changing the need for work in the duct level to start later in the Fiscal Year, ventilation issues, work package modifications, more extensive high gram RMA/RMC glove box decontamination, NDA efforts, and the project-wide Beryllium Stop Work are also contributing to this negative variance. Apportioned activities in the D&D Project Support account that align with the delays in discrete D&D work scope, primarily balance of 234-5Z work scope, unforeseen issues with the removal, size reduction and waste packaging of PRF pencil tanks wherein the team encountered a larger amount of material than expected when size reducing Pencil Tank 38-Failed, are also contributing to this variance.

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

Overall cost performance in March was primarily attributed to realization of planned efficiencies in multiple projects.

Corrective actions underway for PFP, RL-0011 to include continued utilization of HAMTC Collective Bargaining Agreement Craft Alignment, which is trending to increased time on tools, starting to recognize increased time on respirator, which will ultimately result in increasing efficiencies and recovering the negative cost and schedule variances on the PFP project. CHPRC is also pursuing a significant change in the current PFP safety basis and criticality analysis, which if approved would allow an increase to the currently allowed fissile inventory for loading gloveboxes outside the facility. This is expected to reduce the time required to clean out some of the remaining high gram gloveboxes prior to shipment to W&FM for storage. These changes will also increase the efficiencies of future work activities and are expected to enable additional recovery of the cost and schedule variances seen to date. PFP is also refining the DSA to a D&D mode vs. an operations mode which will allow decommissioning of the facility through alternate means. Implementation of this refined strategy, assumes implementation of the previously noted proposed changes in the PFP safety basis and criticality analysis. This will result in re-sequencing demolition activities; stabilizing some materials with grout and other foam stabilizers; reconfiguring the ventilation system to isolate the PRF canyon from the rest of PFP and the provision of temporary ventilation to allow stabilization and removal of the duct level utilizing equipment rather than exposing workers to the difficult work environment found there. No other specific corrective actions are planned at this time.

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 +$117.0 million and +2.2% and is within reporting thresholds.

Format 1 and 3 Contract Data: **Contract Price Adjustments**

CPs - In Process		
	Total Authorized Unpriced Work	**$12,562**
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	**-**
	Grand Total Adjustments	**$12,562**

Use of Management Reserve (MR):

Management Reserve Utilization

BCR Number	Title	Fiscal Year	MR
N/A	*N/A*	N/A	N/A

Overall, Management Reserve remained unchanged in March.

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 ACWP plus the ECWR or BCWR if greater 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), plus the scope identified in the Trend Log that is not in the EAC. The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.

Prepared by:	**Date:**	**Approved by:**	**Date:**
Project Control Staff	4/21/2014		

Appendix B
Project Services and Support
(WBS 000)

CH2MHILL
Plateau Remediation Company

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

M. A. Wright
Vice President for
Project Technical
Services

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

D. A. Millikin
Director of
Communications

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

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

March 2014
CHPRC-2014-03, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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
14-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 85% by compressing occupancy and vacating underutilized facilities. Remove 10 facilities from active occupancy status. Consolidate at PFP and eliminate 8 trailers.	09/30/14	39%
14-EMS-ADMIN-OB1-T2	Reduce depletion of environmental resources through material recycling.	Make field-released material available for reuse. Recycle office supplies and furniture from the 10 facilities per OB1-T1.	09/30/14	50%
14-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into greater than 80% of CHPRC onsite/offsite event contracts. Train staff on Zero Waste events.	09/30/14	50%
14-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Implement new RL direct funded office supply initiative with GSA. Establish green catalogues with GSA supplier.	04/30/14	20%
14-EMS-PCPI-OB1-T1	Reduce the generation and/or toxicity of waste at the source.	Reduce the number and types of printers supported and maintained by 80 total. Improve ability to manage printing. Reduce toner, ink, paper, and energy use.	09/30/14	100%
14-EMS-PCPI-OB2-T1	Reduce Green House Gas emissions by reducing vehicle miles traveled.	Transition CHPRC users to Thin Client workstations for energy and other cost savings measures during FY2014. Complete transition of 275 current computer desktop workstations to the environmentally friendly Thin Client environment.	09/30/14	100%
14-EMS-PTS-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.	09/30/14	42%

Objective #	Objective	Target	Due Date	Status
14-EMS-PTS-OB2-T1	Evaluate compliance with Universal Waste requirements and recycling efforts.	Ensure that PTS is adequately implementing Universal Waste accumulation and storage requirements, aerosol can recycling, and other forms of recycling efforts in an efficient and compliant manner. At the end of the year evaluate and develop trending and tracking effectiveness. Document in a MOP.	09/30/14	42%

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	6	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects and central management of crosscutting services. There were no SHS&Q Recordable injuries or First Aid cases during March.
  - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Continued support of site-wide standards committees and site-wide steering committees.
    - Continue implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. A Management Plan that documents how CHPRC will implement the CBDPP Revision 2A is now in effect. A Management Directive, documenting the interim controls required while beryllium facility assessments are being completed, in also in effect. Beryllium facility assessments and characterization sampling are being conducted. Beryllium facility assessments have been completed on 65 CHPRC facilities. Projects have begun posting the updated signs and labels.
    - Continued partnering efforts with HPMC on reduction efforts for soft tissue injuries.
    - Continued support to Plutonium Finishing Plant (PFP) for use of the PremAire system to facilitate Deactivation & Decommissioning (D&D) activities in the Plutonium Reclamation Facility (PRF) canyon. Provided support for training on the system.
    - Continued support providing Senior Supervisor Oversight to PFP for backside work activities.

- Continued support to Project Technical Services (PTS) for planned welding activities and activities associated with the application of fire protective coating to ensure appropriate controls are in place for potential exposure to hazardous substances.
- Continued working with Project Facility Chemical Custodians to complete qualification cards.
- Continue support to Soil and Groundwater Remediation Project (S&GRP) for evaluation of tarping activities.
- Provided support to Prime Contract & Project Integration, and Business Services for ergonomic evaluations.
- Received letter from DOE-HQ congratulating CHPRC on achieving VPP STAR status.
- Continued planning for the 2014 Hanford Safety Expo.

o Radiological Control accomplishments:
- Continued to support site-wide Radiological Control committees.
- Held quarterly CHPRC ALARA meeting.
- Completed assessment of Radiological Survey Reports.
- Provided support to PFP and Decommissioning, Waste & Fuels, and Remediation Services Project (DWF&RS) regarding portable instrumentation calibration issues related to the service provider (MSA/RSS).
- Issued revision to electronic survey reporting software to address improvement opportunities.
- Provided support to PTS regarding procedure and Statement of Work reviews.

o Nuclear Safety deliverables prepared and transmitted to RL in March include:
- Documented Safety Analysis:
  - Letter, CHPRC-1400513 R1, dated March 11, 2014, *Correction to CHPRC-02064, Evaluation of the Safety of the Situation - Flammable Gas Retention in Containerized Sludge.*
  - Letter, CHPRC-1400962, dated March 26, 2014, *Transmittal of Revision 10 of the Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis and Revision 10 of the Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements to Incorporate the Enhanced Maintenance Program Specific Administrative Control for Exhaust Fans*.
- Letters received from RL in March include:
  - Letter, 1400786A, March 4, 2014, *1400786A, Contractor Modification 302 for CHPRC Signature Revisions to Sections C and I and J*.
  - Letter, 14-NSD-0031_RL, March 11, 2014, *Extension of Retirement Date for the Safety Analysis Report for Packaging (SARP) [onsite] Standard Waste Box (SWB), HNF-SD-TP-SARP-004*.
  - Letter, 14-NSD-0037_RL, March 14, 2014, *Modification of Requirements for Off-Site Transportation of Radioactive Materials*.
- Letters received from others in March include:
  - Letter, MSA-1400211 R1, March 13, 2014, *Confirmation for Review of Lessons Learned - Shipment of Drums*.

o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
- 249 Condition Reports (CRs) were screened in March:
  - One Significant
  - Two Adverse
  - 105 Track Until Fixed (TUF)
  - 54 Trend Only (TO)
  - 85 Opportunity for Improvement (OFI)
  - One Screened Out (factually inaccurate, duplicative of existing Condition

Reports)
  - Condition Reporting and Resolution System (CRRS) modifications were completed. Included in this modification were enhancements to user profiles and addition of CR flags to enhance trending and Corrective Action Plan modification controls.
  - Two CHPRC Lessons learned were published through OPEXShare.
  - Obstructed criticality drain at the Plutonium Reclamation Facility was determined to be reportable in the NTS.
  - Supported preparations for the PFP Defense Nuclear Facilities Safety Board (DNFSB) review of PFP Work Planning and Control conducted March 31 – April 3, 2014.
  - Eighty-three documents were provided in response to DNFSB requests.
- Performance Assurance, Quality Assurance (QA), and Assessment accomplishments:
  - Supported RL in the performance of a six-sigma exercise on RL/Contractor interface meeting efficiencies.
  - Supported comment/review of Inspector General Draft report on PFP project management.
  - Conducted information briefing on scope of Nuclear Safety Performance Evaluation Board (NSPEB) visit to DWFRS (April Evaluation).
  - Continued evaluations of completed management assessments and provided specific mentoring and feedback to assessors and responsible managers.
  - Completed the revision and release of the four major documents supporting the Integrated Evaluation Plan Revision 1.2.0 and completed the update of Hanford Information System Inventory.
  - Assessment field activities were initiated for the 10 CFR 835, Subpart M, *Sealed Radioactive Source Control*, surveillance activity. The surveillance team conducted interviews, inspections of radioactive source storage areas, and reviews of radiological documentation at CHPRC projects and facilities.
  - Continued to work with the Hanford Site Hoisting and Rigging Committee's special project group to determine the applicability of NQA -1, Part II, Subpart 2.15, *Quality Assurance Requirements for Hoisting, Rigging, and Transportation of Items for Nuclear Power Plants*, to the current scope of work here at Hanford.
  - Supported the S&GRP in the determination of proper utilization of Quality Assurance resources in the review and approval of environmental documents. Continued to support PTS and Procurement in the selection of a full service Nondestructive Evaluation (NDE) subcontractor.
  - Continued support of the Waste and Fuels organization in the procurement of a new calibration contractor.
  - Provided "Suspect/Counterfeit Items Update" information to the ATL International and Corporate Allocation Services organizations.
  - Provided Material Coordinators a briefing on the Nonconformance Report (NCR) performance of CHPRC suppliers.
  - Supported the Procurement organization in the evaluation of the possibility of expanding the application of purchasing card procurement or quality level three materials.
  - Briefed RL on the current CHPRC policy for procurement of safety significant fire system components.

- Status of SHS&Q Focus Areas:
  - **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
    Status: Implementing Revision 2a to support overall site implementation.
    Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP.

Completed CHPRC briefing in support of Revision A, Be postings and labeling. Developing BCR documents to support project funding for Rev 2a implementation.

- **Issue:** Accident & Injury Reduction.
  Status: Continue investigating recent recordable and DART injuries to determine cause, prevention and reduction.
  Action: Developed briefing materials for supervisors to help them better understand and manage occupational injuries and illnesses; safety communication campaign emphasizing injury precursors and reduction techniques for common injury types; working closely with site medical provider to provide ergonomic review and recommendations to prevent strains and soft tissue injuries. Also discussing concerns where HPMC is referring workers to offsite medical providers.
- **Issue:** PFP Value Engineering (VE) Study Strategy Path Forward.
  Status: Engaged PFP project personnel with SHS&Q central group SMEs.
  Action: Supporting PFP foaming initiative, Premier system upgrade, and new NDA equipment upgrades.

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

- **Compliance Status**
  Ecology Central Waste Complex Box and WRAP Drum Leak Enforcement
  - Implementation of the required actions in the Ecology Agreed Order (AO) continues. Provided the AO deliverables to Ecology on spill notification and waste sampling on schedule. Progress on other actions such as covering of outside containers and preparation of the Acceptable Knowledge workshop continues on schedule.

  RCRA Permitting Progress
  - Refinement of Closure Plans for some SWOC units continues with Ecology. Permit modifications relating to LERF/ETF continue to be processed by Ecology with approval decisions expected in April.

  Environmental Management System (EMS)
  - The CHPRC All-Hands meeting at TRAC was completed as a zero-waste event. Nothing went to a landfill, and everything left at the end of the meeting was recycled, washed, taken home by workers, or given to a local pig farmer. This is part of an EMS objective to minimize waste at company-sponsored events.
- **Environmental Compliance & Quality Assurance (ECQA)**
  Accomplishments
  - Completed compliance assessment *"Evaluate the Equipment Deficiency List"* in response to an ESRB action to determine potential regulatory vulnerabilities. One finding was issued to ECQA for not having identified the need for performing an assessment of the EDL to evaluate its effectiveness for identifying deficient equipment related to environmental requirements. One opportunity for improvement was noted recommending identification of equipment in the EDL that is associated with an environmental requirement.
  - Completed an assessment documenting a walk-down of the PTS Unsecured Corridor 200 E Area. This assessment was required by two EMS Objectives. No issues were identified.
  - Completed an assessment documenting a field walk-down at new well locations for compliance with WAC 173-303-630(3). A finding was entered into CRRS regarding roll on/roll off container labeling.
  - Management Assessment of *"Notification of Releases"* was completed. One finding was issued regarding notification requirements (clarified as 15 minutes or less) of a spill to the National Response Center.

- An assessment was completed by the EP PCB SME that identified three issues related to PCB markings which were corrected immediately by CWC Operations. A Condition Report marked "Trend Only" was created in CRRS.

Work in Progress

- An independent assessment of CERCLA activities at PFP is in progress and the draft report is being written. A CERCLA Assessor from the CH2M Hill home office assisted with this audit.
- An independent assessment of the EMS is being planned to begin the end of April 2014. MSA auditors will be accompanying ECQA on this audit.
- PRC-PRO-EP-52795, *Environmental Requirements Management,* has been approved and released in the PRC Procedure System.

Business Services

- **Acquisition Planning**
  - Assisted DWF&RS with acquisition strategy for the Cs/Sr Capsule Dry Storage Project and Field Execution Schedule (FES).
  - Assisted Canister Storage Building project with APD and SOW for one-time Non-Destructive Assay contract for Multi-Canister Overpacks.
  - Assisted DWF&RS with APD and SOW for waste box covers required by Administrative Order.
  - Assisted Projects with developing procurement schedules for new activities to be included in FES (ERDF Transfer lines, ETF Waste Water).
- **Facilities and Property Management (F&PM)**
  - The annual physical inventory of CHPRC property commenced in February encompassing 4,081 items valued at $152,328,862. As of March 31, 2014, 51% of the items and 60% of the value has been accounted for with no reported losses.
- **Finance**
  - March month end closing was completed on schedule with 2 cost suspensions due to fund alignment.
  - Contract funding has been provided that is sufficient to continue uninterrupted operations through mid-May.
  - Replied to KPMG requests for data, in response to the FY2009 and FY2010 incurred cost audits.
  - Submitted FY2014 Fourth Quarter Conference Management Request to RL
- **Human Resources**
  - In March, RL approved the CHPRC Compensation Increase Fund for 2014. As the result of the approval, CHPRC processed nine promotions and one salary adjustment. These salary increases were on hold pending this approval from RL for our 2014 funds.
  - RL is auditing certification pay and has asked for records of certification payments for 119 nuclear chemical operator payments, 105 healthy physics technician payments, and 6 stationary operating engineer payments. Documents authorizing these payments have been provided to RL. Retrieval of training records to support these payments is in work.
- **Procurement**
  - Awarded/amended 124 contracts with a total value of $1.99M. Additionally, awarded 185 new material purchase orders valued at $227K to support ongoing project objectives.
  - At the end of the first 66 months of the PRC, procurement volume has been significant; $2.079B in contract activity has been recorded with approximately 49.5 percent, or $1.03B, in awards to small businesses. This includes 6,413 contract releases, 16,426 purchase orders, and 198,631 P-Card transactions.
  - Completed and issued 8 Advance Planning Documents to RL for review or approval.

Prime Contract and Project Integration (PC&PI)

- In March, Prime Contracts received and processed seven (7) contract modifications (numbers 312, 322, 326 - 330) from RL. Correspondence Review received and determined the distribution for 58 incoming letters/documents. The Prime Contracts Manager reviewed 48 outgoing correspondence packages.
- Estimating & Program Support provided the following support to the Projects:
  - Plutonium Finishing Plant (PFP):
    - Continued support to information exchanges related to RL's evaluation of CO #240, PFP Chemical Hazard Investigation and Mitigation of Chemical Lines.
  - Sludge Treatment Project (STP):
    - Continued efforts to assist in the preparation of a Request for Equitable Adjustment that will address the impact that funding changes in FY2012, FY2013, FY2014, and Sequestration had to the overall project cost and schedule.
    - Continued support in the maintenance of the Basis of Estimate(s) associated with planning scenarios related to the RL-0012 Performance Measurement Baseline (PMB) and FY2014 funding decisions.
  - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project
    - In conjunction with the project, completed and submitted to RL, proposals related to the following Change Orders:
      - CO #245, Waste Encapsulation and Storage Facility (WESF) K3 Exhaust Ventilation Upgrade Project, Revision of 2011 Conceptual Design Report, on March 13, 2014.
      - CO #236, *Transfer of the 310 Retention Transfer System to Washington Closure Hanford*, on February 4, 2014; submitted an update to RL on March 19, 2014 regarding a change in the system transfer date due to PNNL completing construction of a diversion system later than planned. This delay was recognized by RL and will have a minor impact to the value of the proposal.
    - Continued efforts to prepare Change Proposals in response to the following directed or prospective Change Orders:
      - CO #228, Activities in Support of Ecology Agreed Order
      - CO #190, *Transfer of the 622S Lysimeter* (Prospective – work on this CO is being conducted on a not to interfere basis with directed changes.)
    - Continued efforts to prepare for anticipated Change Orders:
      - *400 Area Waste Management Unit*
      - *FO 39 Powder Disposition*
      - *Transfer of the ZP-1 Pump & Treat Facility*
    - Received from RL and initiated planning for the following directed change:
      - CO #253, *100-K Area Boreholes and Sampling Investigation*
      - CO #249, *Installation of Lechate Transfer Line from ERDF to 200 West P&T*
  - Soil & Groundwater Remediation Project (S&GRP):
    - Completed negotiation and definitization of the following Change Orders, meeting the DOE-HQ 180 day definitization requirement:
      - CO #237, *200-DV-1 Transient Perched Water*, via Mod. 326 on March 11, 2014;
      - CO #238, *100-NR-2 Aquifer Barrier Expansion*, via Mod. 329 on March 26, 2014.
    - Continued efforts to prepare Change Proposals in response to the following directed Change Orders:
      - CO #250, *Implement the Sampling and Analysis Plan Developed for the 100-D-100 Waste Site and Underlying Groundwater Remediation*;

- CO #251, *Incorporate 200-UP-1 Uranium Treatment at the 200 West Pump and Treat Facility*.

– Project Technical Services (PTS):
  - Completed specification reviews and generated fair cost estimates that will be utilized in the evaluation of bids to be received from a subcontractor for wiring and instrumentation of Pump & Treat (P&T) extraction wells.

o Estimating & Program Support provided the following support to the functional areas:
– Safety, Health, Security and Quality:
  - Received from RL and initiated planning for the following directed change:
    - CO #248, *Implement Requirements of DOE-0342, Revision 2A, Hanford Site Chronic Beryllium Disease Prevention Program*

o Estimating Systems Administration
– Completed a Gap Analysis between 48 CFR 252.215-7002, *Cost Estimating System Requirements* and CHPRC Cost Estimating Procedure and Guide, on February 28, 2014. The results identified three opportunities for improvement that include updating the procedure, guide, and informal processes (desk instructions). The action items were entered to the Condition Reporting and Resolution system (CRRS) for tracking to completion. Once the changes are incorporated, reviewed and approved, will conduct training and a final internal assessment with the goal of declaring readiness for an external review of the estimating system in June 2014.
– Completed periodic update of material pricing library in the Sage database.
– Completed up versioning to COBRA 5.1 as related to the process used to price proposal estimates that are generated in Sage estimating software.

- **EVMS Compliance and Reporting**
  - o Updated the Project Controls System Description (PCSD) and related CHPRC Project Controls procedures and guides to better address current DOE-HQ Office of Acquisition and Project Management expectations for compliant application of EVM.
  - o Provided data to support the EVMS, Stage II data call. This will support the Office of Acquisition and Project Management review of the CHPRC projects that exist in the PARS II repository.
  - o Completed two additional EVMS CAM training sessions; one more scheduled for April. 93 percent of all CAMs have been trained through March.
  - o Prepared for a mock EVMS interview, scheduled for June, which would simulate the actual interviews from the Office of Acquisition and Project Management. This will include Vice Presidents, Control Account Managers and Project Control personnel.
- **Strategic Planning and Integration**
  - o **Interface Management**
    - – Developed Volume 6 of "Changes to the J.13 Hanford Site Structures List and the J.14 Hanford Waste Site Assignment List"
    - – Continue to work issues as they arise from M&TE Calibration Services provided through the Site calibration vendor Micro Precision.
    - – Continue to work issues on scope and interpretations of Usage-Base Services vs. Direct-Funded Services for J.3 #20 Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance).
    - – Continue internal audit of the MSA Statements of Work that are applicable to J.3 User based Services.
    - – Finalized development of the Site Manuals Spreadsheet to begin development of an internal change control process.

- Maintained J.13/14 Communications Spreadsheet. The Spreadsheet shows interactions amongst the Primes from 2011 through the end of 2014.
- Maintained J.13/14 Timeline Titled "*Communications 2014 and Beyond*". Timeline shows modifications and major activities beyond 241.
- Continue discussions with the CHPRC Estimating Group on the revisions to the Sage Timberline Software Quality Assurance Documentation.
- Finalized Process Flow for J.13 Hanford Site Structure Ownership Assignment.
- Finalized Process Flow for J.14 Hanford Waste Site Ownership Assignment.
- In process Interface Documents:
  - HNF-23474 Rev. 2, *ICD Between CHPRC and JCI for Hazardous Energy Control*
  - HNF-46148 Rev. 3, *ICD Between CHPRC and MSA for Water System Services*

o **Information Management**

- Provided IT and facilitation support to Leadership Initiative sessions
- Provided IT and event support to CHPRC Leadership Meetings, and All Employee Meeting
- Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
- Created website banners and updated intranet sites for Communications, DWF&RS, W&FMP, HR, SHS&Q, and PC&PI.
- Provided IT support and set-up of CR153 for use by Nuclear Safety for special project requiring weekend work.
- Installed 32 Thin Client workstations in support of FY14-EMS-PCPI-OB2-T1
- Processed 16,368 Electronic Records into IDMS

Project Technical Services (PTS)

- **Central Engineering (CE)**
  - o Supported the KW Annex in the evaluation of requirements and UL approved material to be used for the structural steel fire protection.
  - o Completed KW Annex Project Review Board (PRB) action items the PRB closed in March.
  - o Supporting Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) in the structural evaluation of the Waste Encapsulation and Storage Facility (WESF) Area 2 for the placement of grout in the hot cells.
  - o Supported the WESF ventilation and stabilization project with final review and approval of the Function and Requirements document as well as beginning development of the Functional Design Criteria.
  - o Supporting the Soil & Groundwater Project (S&GRP) in the development of the Functional Design Criteria (FDC) for the new 200-UP-1 Groundwater Operable Unit Remedial Design for incorporating groundwater from the 200-UP-1 Operable Unit (OU), into the existing, operating 200 West Pump and Treat System.
  - o Completed a CHPRC management assessment of the implementation of DOE-0359, Hanford Site Electrical Safety Program. The Assessment was published in March. Overall, the assessment found that the HSESP is proving to be a valuable resource to minimize electrical hazards for electrical workers.
  - o Conducted the 3 Month Combustible Loading Surveillance at the Low Level Burial Grounds and the WRAP Facility. These are TSR required surveillances.
  - o Assisted T-Plant in completing CR-2014-0400 Corrective Action #1 to install temporary barricades around transformers with arc flash boundaries exceeding the transformer fenced boundaries.
  - o Supporting S&GRP in the design and development of plans and specifications for road ways and

drill pads for the 100-D-100 Area Remediation.

- **Procedures and Training**
  - Completed Ecology Agreed Order training 8 days ahead of deadline. This will reduce the fee assessment by 20 percent.
  - Implemented work areas and check-in process at HAMMER to support personnel start time for 4/10s schedule.
  - Completed Procedures management assessment on implementation and impact of the PRC Procedure System (PPS). Overall the assessment resulted in seven opportunities for improvement, which will be evaluated for possible implementation later this year.
  - Implemented PPS Release 1.4. Improvements were based on user feedback.
  - Completed Training management assessment on adequacy of Systematic Approach to Training documentation.
  - Submitted revised the Training Implementation Matrix to RL for approval.
  - Facilitated discussions with the Site Respiratory Program Manager and Training Center of Expertise, which resulted in agreement to build a single, site-level Respiratory Training Analysis that can be used by all site contractors.
  - Implemented plan to standardize CHPRC training documentation through the use of the VISION training development software.
  - Collaborated with HAMMER staff on Hanford General Employee Training (HGET) streamlining activities.
  - Completed Procedure Writer workshop on using the Automated Job Hazard Analysis (AJHA) tool.

  Operations Program
  - Leading a companywide effort reviewing Maintenance and Emergency Preparedness programs for potential vulnerabilities associated with maintenance decisions and current emergency response relative to the WIPP salt haul truck fire.
  - Assisted PFP with preparation and participated in the DNFSB Staff Work Control assessment.
  - Completed field activity review in support of DW&FRS Management Assessment of maintenance implementation.
  - Conducted 6 Emergency Preparedness Drills.
  - Conducted RL evaluated Full-up EP Drill at CSB.
  - CHPRC participated in 200E area DOE Protective Action Drill.
  - Supported DWF&RS/CWC with the US Department of Ecology/EPA Inspection.
  - Received RL Approval of the HS-45 CAP on Emergency Preparedness.
  - Continued assisting DWF&RS and PFP with implementing appropriate level of detail in planned work documents.
  - Supported DW&RS management assessment performing a review of PMs for content/format/level of detail.
- **Project Delivery**

  S&GRP
  - Completed 100KX P&T extraction and injection well realignment
  - Completed fabrication of 8 pump control racks for S&GRP extraction wells
  - Completed installation of HDPE at 200W P&T Wells YJ09, YJ15 and YJ23
  - Harvested 7,000 feet of HDPE pipe at 100DX and 100HX pump and treat for reuse at well realignment projects
  - Mobilized field work teams to realign wells MJ05 and ME22 at the 100DX P&T
  - Mobilized field work teams to realign wells WJ-02 and WJ11 at the 100KW P&T

DWF&RS

- Completed final construction inspection /acceptance and turned the 400 Area Sewer over to the facility for beneficial use, on March 5, 2014.
- Kicked off T Plant Fire Barrier workscope and completed 48 penetrations by March 30, 2014.
- Began mobilization in support of the 105KE Roof Sealant workscope on March 7, 2014. Awarded the dirt work contact on March 27 and physical dirt work is planned to commence on April 21, 2014.

- **KW Annex Construction**
  - Completed remaining backfill activities around the Annex building.
  - Completed delivery and installation of the mezzanine steel.
  - Continued fabrication of steel members for low, intermediate and high bay steel.
  - Continued concrete surface repairs.
  - Completed engineering inspection of rebar dowels inside the beam pockets for mezzanine.

Communications

- **Internal**
  - Hosted a quarterly all-employee meeting to share safety, progress and successes from across the project. Utilizing sustainable event management practices, the event generated zero waste. Hosting environmentally responsible events is one of CHPRC's EMS targets and objectives.
  - Produced a six minute video on the vision of employee's legacy at Hanford.
  - Produced a video highlighting how consolidation of industrial hygiene equipment and staff at PFP is reducing costs by better organizing and tracking equipment cycling and calibration.
  - Produced four issues of the Weekly Update, the internal news bulletin, including manager messages from John Fulton, President and Chief Executive Officer; Kelly Wooley, DWF&RS Deputy Project Manager; Janice Bartram, Small Business Advocacy; Dee Millikin, Communications Director.
  - Continued coordinating brown bag meetings to allow CHPRC leadership to address employees' questions and concerns.
- **Public Relations**
  - Supported RL with media inquiries regarding asbestos, closure of Waste Sampling and Characterization Facility and the capsules at WESF.
  - Supported John Fulton, President and Chief Executive Officer, in an interview with Weapons Complex Monitor regarding the deconstruction and demolition progress at PFP.
  - Responded to media inquiries regarding instances of stop work at PFP and S&GRP.
- **Public Involvement**
  - Began planning and preparation for upcoming 100-F/IU Proposed Plan public comment period. Preparations included drafting a 30-day notice that is slated to go to stakeholders the week of April 14, 2014.

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 (%)
Office of the President	0.1	0.1	0.2	0.0	0.0%	(0.1)	-60.9%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	0.1	56.8%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	22.5%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-18.8%
Safety, Health, Security and Quality	1.2	1.2	0.9	(0.0)	-0.8%	0.3	23.4%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	9.2%
Business Services	1.5	1.5	0.7	0.0	0.0%	0.8	51.5%
Prime Contract and Project Integration	1.9	1.9	1.5	0.0	0.0%	0.3	17.5%
Project Technical Services	0.6	0.6	0.5	0.0	0.0%	0.1	9.7%
Indirect WBS 000 Total	**6.0**	**6.0**	**4.7**	**(0.0)**	**-0.2%**	**1.5**	**25.1%**

Numbers are rounded to the nearest $0.1M.

Indirect WBS 000

CM Schedule Performance: (-$0.0M/-0.2%)
Variance is within reporting thresholds.

CM Cost Performance: (+$1.5M/+25.1%)
Variance is primarily due to decreasing the accrual B&O Home Office Cost estimate from reductions in prior year assessments.

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)
Office of the President	0.8	0.8	1.1	0.0	0.0%	(0.3)	-38.5%	1.7
Internal Audit	0.4	0.4	0.3	0.0	0.0%	0.1	22.0%	0.8
General Counsel	0.7	0.7	0.5	0.0	0.0%	0.1	19.6%	1.4
Communications	0.5	0.5	0.5	0.0	0.0%	(0.1)	-11.3%	1.0
Safety, Health, Security and Quality	6.6	6.6	5.5	(0.0)	-0.5%	1.1	16.8%	14.0
Environmental Program and Strategic Planning	2.0	2.0	1.7	0.0	0.0%	0.2	11.5%	4.2
Business Services	8.5	8.5	7.5	0.0	0.0%	1.1	12.7%	18.2
Prime Contract and Project Integration	9.8	9.8	8.6	0.0	0.0%	1.3	13.1%	21.0
Project Technical Services	3.3	3.3	3.6	0.0	0.0%	(0.3)	-7.9%	7.1
Indirect WBS 000 Total	**32.6**	**32.6**	**29.3**	**(0.0)**	**-0.1%**	**3.3**	**10.1%**	**69.5**

Numbers are rounded to the nearest $0.1M.

Indirect WBS 000
FYTD Schedule Performance: (-$0.0M/-0.1%)
Variance is within reporting thresholds.

FYTD Cost Performance: (+$3.3M/+10.1%)
The favorable cost variance is primarily due to lower than expected costs for Time Verification System and B&O Home Office Cost estimate reductions in prior year assessments.

Baseline Change Requests
BCR-PRC-14-007R0 – *Transfer of Work Scope to CLIN 7*
BCR-PRC-14-008R0 – *WBS 000 FY2014 Buy-Back List/Updates*

FY2014 G&A Analysis ($M)

WBS 000 Project Services and Support	FYTD BCWS	FYTD Actual	FYTD Variance (O)/U		FY2014 BCWS	FY2014 Forecast	FY2014 Variance (O)/U
				FY2014			
Office of the President	0.8	1.1	(0.3)		1.7	2.4	(0.7)
Internal Audit	0.4	0.3	0.1		0.8	0.8	0.0
General Counsil	0.7	0.5	0.1		1.4	1.4	0.0
Communications	0.5	0.5	(0.1)		1.0	1.2	(0.2)
Safety, Health, Security and Quality	6.6	5.5	1.1		14.0	12.6	1.5
Env. Program & Strategic Planning	2.0	1.7	0.2		4.2	4.0	0.2
Business Services	8.5	7.5	1.1		18.2	17.9	0.3
Prime Contract and Project Integration	9.8	8.6	1.3		21.0	19.9	1.1
Project Technical Services	3.3	3.6	(0.3)		7.1	7.3	(0.2)
General & Administrative (G&A)	**32.6**	**29.3**	**3.3**		**69.5**	**67.3**	**2.1**
		FYTD			FY2014		
G&A Distribution		**(27.6)**			**(68.5)**		
G&A Liquidation (Over)/Under		**1.7**			**(1.2)**		

Liquidation Analysis

- FYTD through March, application of the G&A rate has under-liquidated total to date G&A costs by $1.7M. The FY2014 yearend projected over liquidation of $1.2M reflected in the fiscal year spend forecast reflects revised funding guidance which significantly increased the G&A base.
- Consistent with CHPRC prospective Cost Accounting Disclosure Statement, under liquidations would be distributed to users at a minimum, when the combined (including Continuity of Service (COS) and Absence Adder rates) projected year end under liquidation is equal to or greater than $4M. Over liquidations would be distributed to users at a minimum, when the combined projected year end over liquidation is equal to or greater than $6M. Variances may be liquidated to users at lower thresholds if variances are determined to be significant to cost control. All remaining variances will be distributed at fiscal year end.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.