



**J. A. Ciucci**  
**President and Chief**  
**Executive Officer**

# Monthly Performance Report

U.S. Department of Energy Contract,  
DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

**May 2015**  
CHPRC-2015-05, Revision 0

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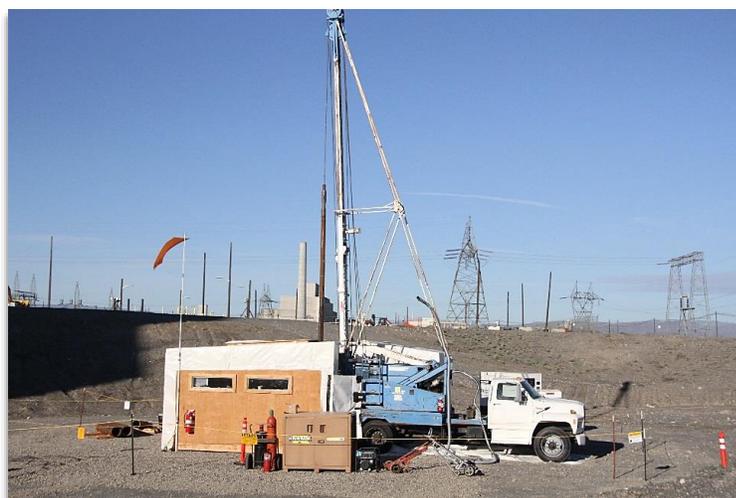
Appendix A – Contract Performance Reports
Appendix B – Project Services and Support (WBS 000)

## EXECUTIVE SUMMARY

- CHPRC advanced cleanup throughout the Hanford Site during the month of May. Major accomplishments included the following:
- Progress continued at the Plutonium Finishing Plant (PFP), where crews completed the last shipment of the remaining pencil tank sections to the Central Waste Complex (CWC) and began preparations to size reduce gloveboxes HC-9B.
- The Decommissioning, Waste, Fuels & Remediation Services Project (DWF&RS) completed the constructability review for construction of sludge storage capabilities at T Plant. During this review experts analyzed design documents and generated comments that were used to refine the bid package that will ultimately allow the safe, compliant storage of canisters containing sludge.
- The Soil and Groundwater Remediation Project (S&GRP) completed additional road crossings for the 200-BP-5 pipelines, which runs from the 200 East area to the 200 West Pump-and-Treat Facility. Drilling activities at the characterization borehole near the 105-KE Reactor continued and elevated levels of radiological contamination were detected 51 feet below the ground surface.



**At PFP, crews worked in May to drain chemical and process lines inside WT-1, the last glovebox to be removed from inside 242-Z.**



**S&GRP workers continue drilling activities at the 116-KE-3 waste site characterization borehole near the 105-KE Reactor.**

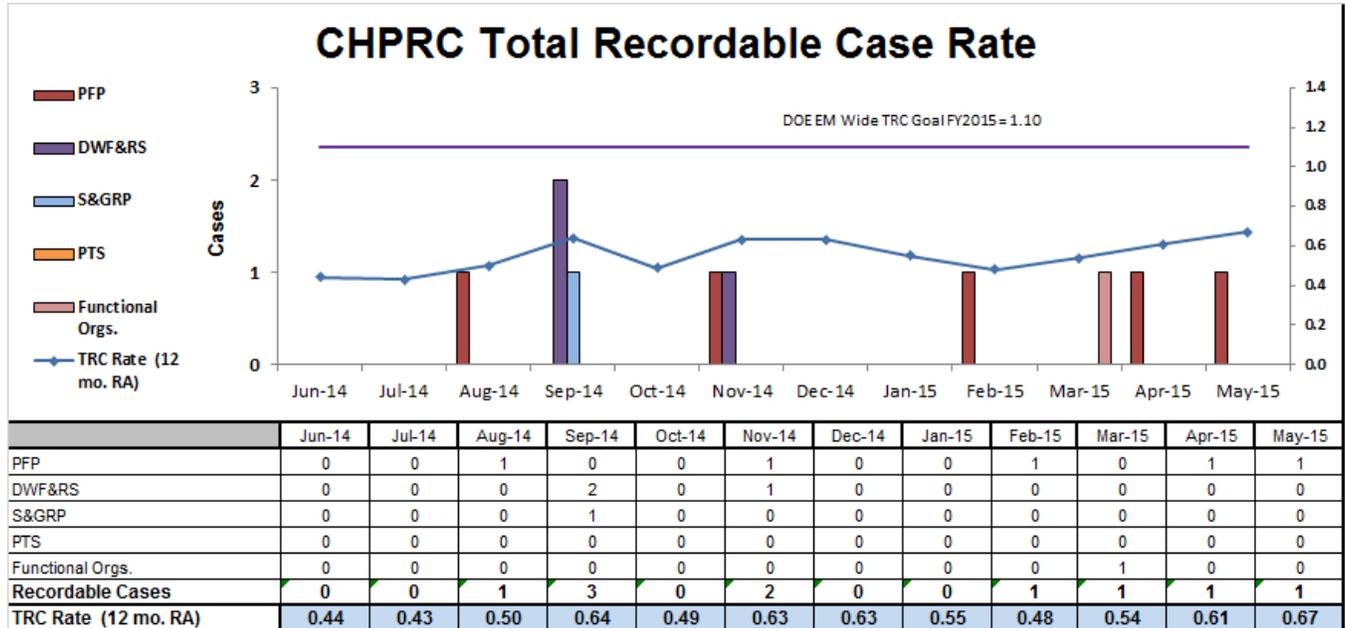
- In lieu of the May 2015 President’s Zero Accident Council (PZAC) meeting, CHPRC participated in the annual Health & Safety Expo in Pasco, WA. The CHPRC booth represented each project with hands-on activities to show attendees examples of safety and how it applied to them. The CHPRC team was rewarded for their hard work and innovation by receiving the award for Best Overall Booth at the Expo.
- In May, CHPRC representatives attended the Region X Voluntary Protection Program Participants Association (VPPPA) conference in Portland, Oregon. The CHPRC “After School Matters” team received the Innovation Award for this program that demonstrates Safety 24/7 to students in the local Tri-Cities community. Workers discuss their professions, the hazards faced on the job, and allow kids to experience hands-on activities related to Hanford jobs. This idea stemmed from one of the CHPRC Employee Zero Accident Councils (EZAC) and demonstrates the powerful and positive effect of worker involvement. Additionally, Jack Griffith, HAMTC Safety Representative and CHPRC VPP Co-Chair, received the Region X Chairpersons Award and was re-elected as Treasurer for VPPPA Region X.
- Four “*Thinking Target Zero*” (TTZ) bulletins were published in May to convey important occupational safety, health and environmental messages:
  - Environmental Management System (EMS) Continuous Improvement
  - Voluntary Protection Program (VPP) EZAC Chairs
  - Summer Travel
  - Summer Hydration
- *Weekly Safety Tailgate* briefing packages in May communicated relevant topics and safety information to the workforce:
  - Electrical Safety Month
  - Washington State Department of Transportation Bridge Clearance Trip Planner Tool
  - Four Off Site Lessons Learned: Two Workers Electrocuted when Boom Truck Crane’s Boom Contacts 7,200 Volt Overhead Power Line; Inadequate Mounting of Book Shelf Unit Results in Injuries; Ignoring Peer Pressure, Employee Reports Safety Concern; Construction Worker Falls 14 Feet onto Concrete
  - Replacing Faded Badges
  - Safety Culture Survey
  - Skin Cancer Awareness Month
  - Radiological Dosimetry Reminders
  - Creepy Crawlies
  - Electrical Hazard Recognition
  - EMS Recertification Audit
  - Memorial Day: Safety First
  - Vehicle Use and Control
  - Safety Shoe Requirements
  - National Bike Month
  - Post Memorial Day Worker Safety Re-Focus
  - Herbicide/Pesticide Spray Schedule
  - “What Would You Do?” Ethics Awareness messages



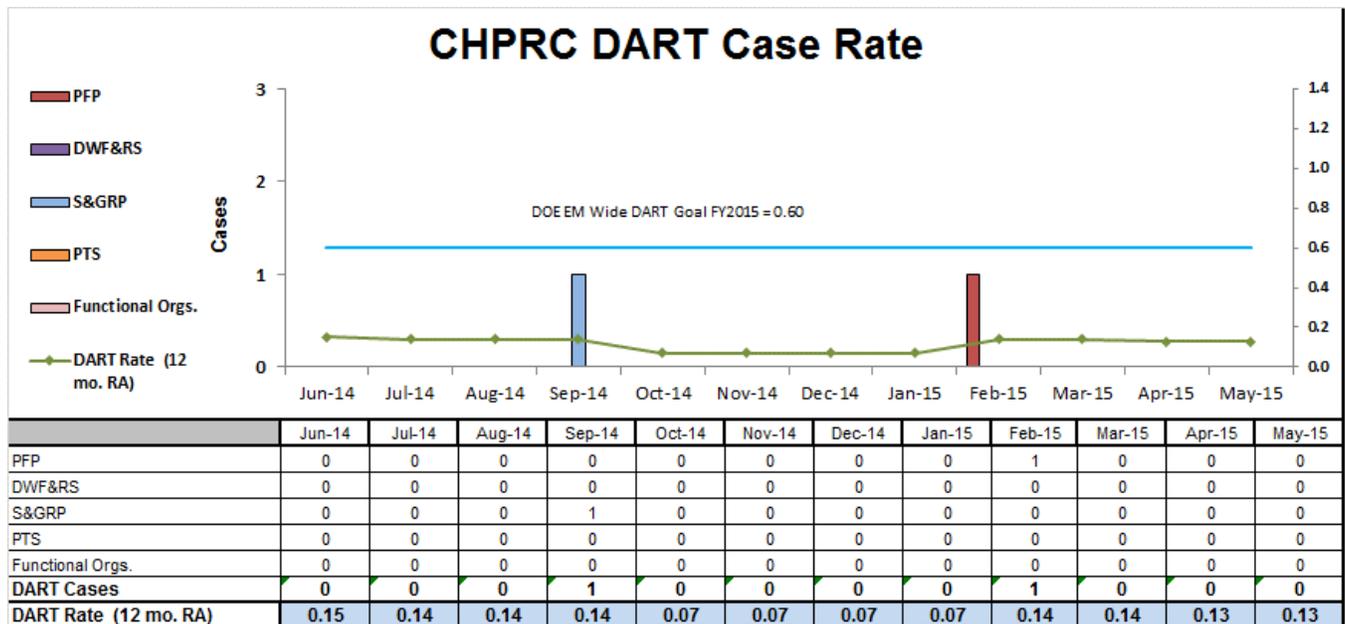
- o Injury/Illness Summaries and the TTZ of the week
- May Weekly Updates featured blogs that highlighted safety, health and environmental messages:
  - o Bill Kirby, Chief Operating Officer, announced the CHPRC Safety Culture Survey as part of CHPRC's continuing commitment to foster a culture that encourages employees to work safely 24/7 and raise safety concerns and issues. In a separate blog, Mr. Kirby asked employees to remain focused and be safe both on the job and at home before and during the Memorial Day holiday.
  - o Moses Jaraysi, Vice President of Environmental Programs & Strategic Planning, reminded the workforce of the upcoming annual review of EMS as CHPRC seeks re-certification as an ISO 14001:2004 company
- The Kudos Corner for May recognized individuals and teams who made a significant contribution to safety at work, home or play:
  - o PFP employees were involved in a recent effort to close Safety Log Book items, reducing the number of open items from 21 to eight by addressing concerns ranging from the replacement of wind direction indicators to the control of temporary lighting
  - o An employee witnessed what he believed to be an impaired driver in his neighborhood. The man was arrested and police impounded his car on the scene.
  - o Everyone who supported and participated in the 2015 Health and Safety Expo. CHPRC received the award for Best Overall Booth
  - o A geologist monitoring a drilling subcontractor performing well maintenance noticed what she thought was an unsafe act and attempted to stop the work. When the work was not immediately stopped, she elevated the issue to management. Management stopped the work and the issue was resolved quickly. The employee's actions were exactly what CHPRC encourages when something does not seem right. On May 12, 2015, RL Manager Stacey Charboneau sent a personal message to the employee thanking her.

## TARGET ZERO PERFORMANCE May 2015

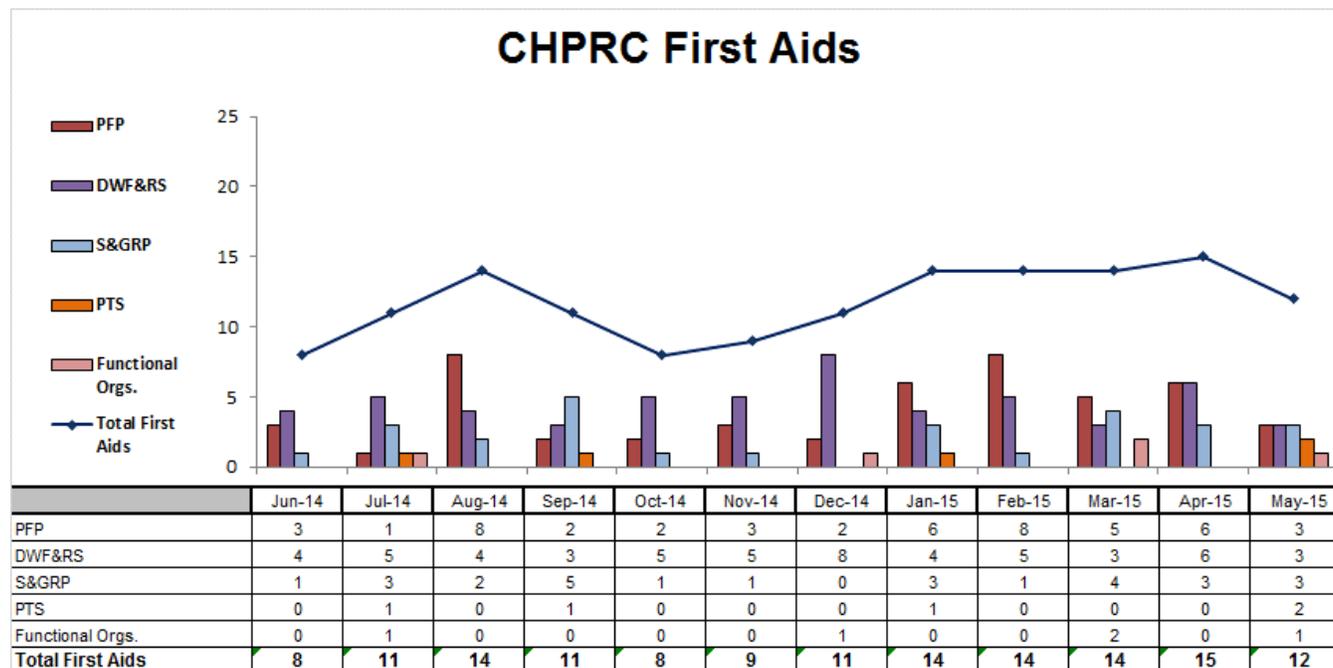
CHPRC continued focusing on integrating and implementing safety programs in all program and project areas.



Total Recordable Injury Case (TRC) Rate: The 12 month rolling average TRC rate of 0.67 is based on a total of 10 Recordable injuries. There was one case upgraded to Recordable for September 2014 and one Recordable case for May. There are no cases currently being evaluated or investigated for potential recordability.



Days Away, Restricted or Transferred (DART) Workdays Case Rate: The 12 month rolling average DART rate of 0.13 is based upon a total of two Days Away cases. There were no DART cases in May.



First Aid Case Summary: CHPRC reported 12 first aid cases in May 2015; of these, six cases required no treatment. There were four self-treated injuries. The contributors were four sprains/strains/pains, four miscellaneous injuries (cumulative trauma, potential exposure, etc.), two insect bites/stings and two abrasions/contusions.

## KEY ACCOMPLISHMENTS

### Projects

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

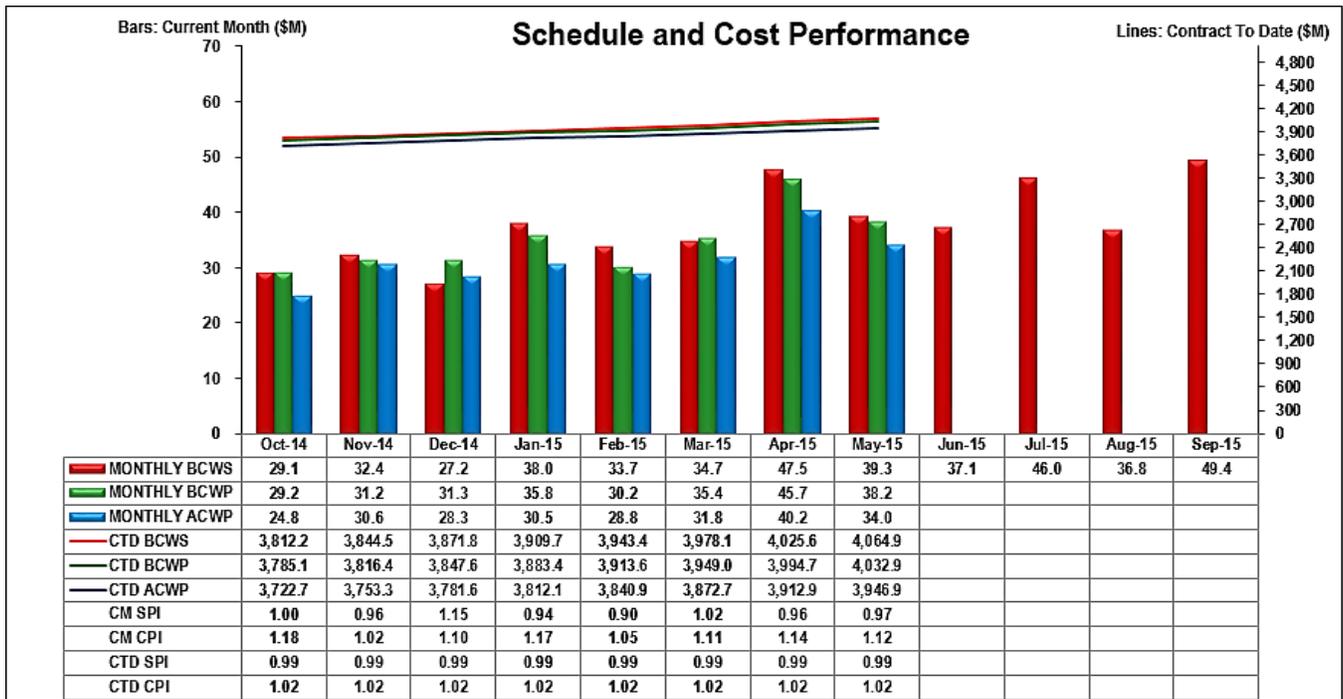
### Project Services and Support

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

## MAJOR ISSUES

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

## EARNED VALUE MANAGEMENT



	\$M					\$M					\$M		
	Current Period					Contract to Date					Contract Period		
	Budgeted Cost		Actual Cost		Variance	Budgeted Cost		Actual Cost		Variance			
	BCWS	BCWP	ACWP	Schedule	Cost	BCWS	BCWP	ACWP	Schedule	Cost	BAC	EAC	Variance
RL-0011 - Nuclear Materials Stab & Disp PFP	9.3	9.6	7.7	0.3	1.9	802.6	772.3	806.5	(30.3)	(34.2)	953.7	962.6	(8.9)
RL-0012 - SNF Stabilization & Disposition	6.5	6.1	6.6	(0.4)	(0.6)	486.0	489.1	498.2	3.1	(9.1)	696.1	709.3	(13.2)
RL-0013 - Solid Waste Stab & Disposition	8.3	8.4	7.5	0.2	0.9	946.0	946.9	897.3	0.9	49.6	1,359.3	1,283.5	75.8
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	13.3	12.4	10.2	(0.8)	2.2	1100.1	1095.4	1077.6	(4.8)	17.8	1,546.0	1,505.4	40.5
RL-0040 - Nuc Fac D&D - Remainder	1.0	1.0	1.0	(0.1)	(0.0)	396.9	396.4	365.4	(0.5)	31.0	456.7	421.5	35.1
RL-0041 - Nuc Fac D&D - RC Closure Project	0.8	0.5	0.6	(0.3)	(0.1)	313.8	313.4	285.9	(0.4)	27.5	397.8	364.2	33.6
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.3	(0.0)	(0.2)	19.5	19.4	16.0	(0.1)	3.4	26.6	20.3	6.3
(Values are rounded to the nearest \$0.1M)	Total												
(Values do not have UB breakout)	39.3	38.2	34.0	(1.1)	4.2	4,064.9	4,032.9	3,946.9	(32.0)	86.0	5,436.2	5,266.8	169.3

### Performance Summary

CHPRC continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$169.3 million with \$78.4 million of Management Reserve for a total positive variance of \$247.7 million.

For May, the project was 2.8 percent behind schedule and 11 percent under planned cost. For FY2015, the project was 1.7 percent behind schedule and 10.1 percent under planned cost. The schedule variance is within reporting thresholds. The favorable cost variance is due to PFP field work teams completing Pencil Tank size reduction with less effort than originally projected, as well as a reduction in required system engineering support for vital safety systems maintenance and additional reduction of maintenance activities required to be performed on these systems.

## FUNDING ANALYSIS

### FY2015 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2015		Variance
		Projected Funding	Spending Forecast	
RL-0011	Nuclear Materials Stabilization and Disposition	128.4	116.7	11.7
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	85.7	79.0	6.7
RL-0013	Waste and Fuels Management Project	101.5	91.7	9.8
RL-0030	Soil, Groundwater and Vadose Zone Remediation	137.5	135.9	1.5
RL-0040	Nuclear Facility D&D, Remainder of Hanford	15.5	16.2	(0.8)
RL-0041	Nuclear Facility D&D, River Corridor	9.6	8.4	1.2
RL-0042	Fast Flux Test Facility Closure	1.4	1.5	(0.1)
<b>Total Base:</b>		<b>479.5</b>	<b>449.4</b>	<b>30.1</b>

#### Funds/Variance Analysis

FY2015 expected funding did not change from last month and remains at \$479.5 million. The FY2015 Spend Forecast increased only slightly, leaving the projected uncostered funding balance at \$30 million.

## BASELINE CHANGE REQUESTS

In May 2015, CHPRC approved and implemented eight (8) BCRs impacting the PMB. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
BCR-012-15-005R0	<i>100 KW Garnet Filter Conceptual and Sand Filter Media Pre-conceptual Remediation Designs</i>	This BCR incorporates RL direction to add 100KW Garnet Filter Media Remediation scope, up to a not to exceed (NTE) value of \$500K and 100 KW Sand Filter Media Remediation scope up to a NTE of \$175K into the PMB. This BCR increased the PMB by \$627K.
BCR-013-15-008R0	<i>RCRA Waste Management</i>	This BCR incorporates RL direction to add RCRA Waste Management and RCRA Compliance scope to the PMB. This BCR increased the PMB by \$1,200K.
BCR-013-15-012R0	<i>Move ETF Rate Impacts to Undistributed Budget</i>	This BCR modifies the PMB to move the remaining budget of \$3.5K associated with the operation of the 200 Area Effluent Treatment Facilities (ETF) to Undistributed Budget (UB) pending RL direction on the disposition of the remaining ETF operations budget. This value remained after the April 2015 BCR-013-15-010R0 due to differences in rates between FY2014 and FY2015. This BCR did not change the PMB value.
BCR-041-15-009R0	<i>Min Safe Segregation Part 2</i>	This BCR modifies the PMB to 1) segregate into a separate control account the resources required to maintain the facilities and waste sites assigned to PBS RL-041 in a minimum safe configuration in FY2016-FY2018; 2) detail the Project Management into core project management and project management planned within the discrete waste site work; 3) transfer the balance of the Project Management account to a planning package in FY2018; 4) defers the schedule for waste

Change Request #	Title	Summary of Change
		site remediation and structure work to reflect current DOE-RL priorities. This BCR did not change the PMB value.
BCR-PCR-15-035R0	<i>Definitization of CO #261, Design and Construction of Unloading Station and Transfer Tank</i>	This BCR modifies the PMB to align with the definitization of Change Order #261, Design and Construction of an Unloading Station and Transfer Tank at 200 West Pump and Treat to Support the 200-DV-1 Transient Perched Water Extraction System, which is documented in Contract Modification 405. This BCR increased the PMB by \$1,826K.
BCR-PCR-15-036R0	<i>Definitization of CO #264, 200-UP-1 Uranium Treatment Inside 200W Pump &amp; Treat Facility</i>	This BCR modifies the PMB to align with the definitization of Change Order #264, 200-UP-1 Uranium Treatment Inside 200 West Pump and Treatment Facility, which is documented in Contract Modification #406. This BCR increased the PMB by \$10,368K.
BCR-PCR-15-034R0	<i>Base Year Shift in Support of FY2016 Annual Update</i>	This BCR modifies resources in the PMB that start after October 1, 2015 to a Base Year Shift at the escalation rate of 2.3%. The Base Year Shift brings the resource pricing forward to the current Base Year (FY2016). This aligns with RL Direction provided in the FY2016 Annual Update Guidance. This BCR did not change the PMB value.
BCR-PCR-15-037R0	<i>Undistributed Budget Adjustments May 2015</i>	This BCR incorporates changes to Undistributed Budget for baseline changes processed and contract modifications received during the month of May. This change increased the PMB by \$11,973K.

Overall, the contract Performance Measurement Baseline budget increased \$25,994K.

#### Management Reserve Activity

BCR Number	Title	Fiscal Year	MR
N/A	N/A	2015 - 2018	N/A

There were no changes to Management Reserve during May.

#### Fee Activity

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	2015 - 2018	N/A

There were no changes to Fee during May.

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):

**May 2015 Summary of Changes**

	FYs 2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FYs 2014-2018	Contract Period Total	Total PMB
<i>April 2015 Estimate</i>									
PMB	3,391,477	391,653	452,410	436,224	352,145	386,263	2,018,695	5,410,172	5,410,172
MR	0	0	6,212	21,000	20,506	30,649	78,367	78,367	78,367
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
<b>Total</b>	<b>3,546,981</b>	<b>405,978</b>	<b>472,122</b>	<b>477,024</b>	<b>381,451</b>	<b>433,486</b>	<b>2,170,061</b>	<b>5,717,041</b>	<b>5,717,041</b>
<i>May 2015 Change</i>									
<b>PMB</b>									
<i>Change to PMB</i>	0	0	-1,311	10,270	4,895	12,140	25,994	25,994	25,994
<b>MR</b>									
<i>Change to MR</i>	0	0	0	0	0	0	0	0	0
<b>Fee</b>									
<i>Change to Fee</i>	0	0	0	0	0	0	0	0	0
<b>Total Change</b>	0	0	-1,311	10,270	4,895	12,140	25,994	25,994	25,994
<i>May 2015 Estimate</i>									
PMB	3,391,477	391,653	451,099	446,494	357,040	398,403	2,044,689	5,436,166	5,436,166
MR	0	0	6,212	21,000	20,506	30,649	78,367	78,367	78,367
Fee	155,504	14,325	13,501	19,800	8,800	16,573	72,999	228,503	228,503
<b>Total</b>	<b>3,546,981</b>	<b>405,978</b>	<b>470,811</b>	<b>487,294</b>	<b>386,346</b>	<b>445,626</b>	<b>2,196,055</b>	<b>5,743,035</b>	<b>5,743,035</b>

**Changes to/Utilization of Management Reserve in May 2015**

	FY2009-2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2014-2018	Total
<i>April 2015 MR Totals</i>								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
<b>Total</b>	<b>0</b>	<b>0</b>	<b>6,211</b>	<b>21,000</b>	<b>20,506</b>	<b>30,650</b>	<b>78,367</b>	<b>78,367</b>
<i>May 2015 MR Changes/Utilization</i>								
<b>RL-0011</b>	0	0	0	0	0	0	0	0
<b>RL-0012</b>	0	0	0	0	0	0	0	0
<b>RL-0013</b>	0	0	0	0	0	0	0	0
<b>RL-0030</b>	0	0	0	0	0	0	0	0
<b>RL-0040</b>	0	0	0	0	0	0	0	0
<b>RL-0041</b>	0	0	0	0	0	0	0	0
<b>RL-0042</b>	0	0	0	0	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<i>May 2015 MR Totals</i>								
RL-0011	0	0	1,052	8,000	8,000	0	17,052	17,052
RL-0012	0	0	2,000	3,000	5,000	3,897	13,897	13,897
RL-0013	0	0	1,000	2,000	800	6,824	10,624	10,624
RL-0030	0	0	832	3,000	2,006	8,828	14,666	14,666
RL-0040	0	0	700	1,500	1,800	4,000	8,000	8,000
RL-0041	0	0	527	3,450	2,800	7,000	13,777	13,777
RL-0042	0	0	100	50	100	100	350	350
<b>Total</b>	<b>0</b>	<b>0</b>	<b>6,211</b>	<b>21,000</b>	<b>20,506</b>	<b>30,650</b>	<b>78,367</b>	<b>78,367</b>

## 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 -5/31/2015				Projection to FY2018	
Reporting Category				Planned Subcontracting:	\$2,406,850,560
				Contract-to-date awards:	\$2,218,901,149
				Bal remaining to award:	\$187,949,411
	\$ Value	%	Goal %	Goal award\$	Bal to Goal
SB	\$1,136,701,032	51.23%	49.3%	\$1,186,577,326	\$49,876,294
SDB	\$197,258,671	8.89%	8.2%	\$197,361,746	\$103,075
SWOB	\$223,896,436	10.09%	7.5%	\$180,513,792	-\$43,382,644
HUB	\$40,626,119	1.83%	2.2%	\$52,950,712	\$12,324,593
VOSB	\$137,020,944	6.18%	3.5%	\$84,239,770	-\$52,781,174
SDVO	\$69,875,817	3.15%	1.3%	\$31,289,057	-\$38,586,759
NAB	\$33,789,176	1.52%	N/A		
Large	\$593,070,823	26.73%	N/A	PRC clause H.20 small business requirement ≥ 17% of total Contract Price performed by SB.	
GOVT	\$2,204,713	0.10%	N/A		
GOVT CONT	\$482,866,522	21.76%	N/A		
EDUCATION	\$99,884	0.00%	N/A	Total Contract (mod 403):	\$5,712,705,807
NONPROFIT_	\$3,634,386	0.16%	N/A	17% rqmt:	\$971,159,987
FOREIGN	\$323,789	0.01%	N/A	SB actual:	\$1,136,701,032
<b>Total</b>	<b>\$2,218,901,149</b>	<b>100.00%</b>	<b>N/A</b>	<b>Bal to rqmt</b>	<b>-\$165,541,045</b>

Notes:

1. Since the CHPRC contract award in October 2008, CHPRC has subcontracted over \$2.2 billion in goods and services with over 51 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
<b>CONTRACT</b>			
J.12/C.2.3.6	PBS-13, Transuranic Waste Certification	WIPP provides shipping resources and manages the schedule for transportation of these containers to WIPP. The schedule is variable and the number of shipments is controlled by DOE-HQ on a complex-wide priority. Cost for shipment of TRU waste offsite is borne by the Carlsbad Field Office.	Ongoing

# Section A

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



J. M. Swartz  
Vice President for  
PFP Closure Project

May 2015  
CHPRC-2015-05, 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.

<i>Key Performance Indicators</i>	<i>Current Month</i>	<i>Contract To Date</i>
Glovebox/ Hood Removed or Dispositioned in Place	-	221 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	-	60 rooms/areas
Asbestos/ACM Removed	525	19,746 feet
Process Vacuum Piping Dispositioned	-	2,627 feet
Process Transfer Line Dispositioned	-	1,153 feet
Pencil Tank Units Removed (Shipped)	11	196 pencil tank units
Buildings Ready for Demo	-	40 structures
Buildings Demolished or Removed	-	40 structures
Non-radioactive Waste Shipped	-	72 m <sup>3</sup>
TRU/TRU-M Shipped	63 m <sup>3</sup>	1,696 m <sup>3</sup>
LLW/MLLW Shipped	30 m <sup>3</sup>	6,248 m <sup>3</sup>

The 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 at 96 percent complete.

- Received RL approval of the HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Rev 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Rev 12
- Dispositioned last remaining Pencil Tanks 8/9 (three units), WE-1/WM-1 (five units), and WS-1/WS-2 (three units), completing Pencil Tank size reduction and removal (shipment)
- Continued size reduction and waste load out of WT-1 Glovebox in 242-Z Control Room
- Removed 525 feet of asbestos
- Removed 334 feet of E-4 ducting from 234-5Z Duct Level
- Removed Filter Boxes FB-2, FB-3, FB-5, FB-7 and FB-17 from 234-5Z

## EMS Objectives and Target Status

Objective #	Objective	Targets	Actions	Due Date	Status
15-EMS-PFP-OB1-T1	Reduce/eliminate potential contaminated effluents (air and liquid) from PFP complex	1. Remove material at risk to reduce potential air emissions. 2. Reduce/eliminate contaminated liquid effluents.	1. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of January 2015	02/16/15	100% Completed 2/3/15
			2. Evaluate the percent reduction of potential emissions compared to the PTE in the RAWP archived due to removal of material at risk completed by the end of August 2015	09/15/15	0%
			3. Eliminate contaminated waste water streams and shut down 243-Z treatment facility (includes 296-Z-15 stack)	09/30/15	30%

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	1	5	<ul style="list-style-type: none"> <li>5/27/15 - Employee was assisting in removing a piece of lead shield when it broke from the glove box, crushing one of the employee's fingers. The employee was taken to Kadlec Medical Center and treated for a lacerated and fractured finger. (23691)</li> </ul>
First Aid Cases	3	49	<ul style="list-style-type: none"> <li>5/5/15 – Employee was assisting in moving a table down some stairs. They missed the last two steps and fell, injuring back, ankle and knee. Employee was taken to HPMC and returned to work with no restriction. (23661)</li> <li>5/21/15 – Employee exited a trailer door and bumped head on the door. Employee was taken to HPMC and returned to work with no restriction. (23686)</li> <li>5/29/15 – Employee reported being light headed due to the effects of the heat. Employee was taken to HPMC and returned to work with no restriction. (23693)</li> </ul>
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 11.02 Maintain Safe & Compliant Plutonium Finishing Plant (PFP)

- Received RL approval of the HNF-15500 “Plutonium Finishing Plant Deactivation and Decommissioning Documented Safety Analysis” Rev 12 and HNF-15502 “Plutonium Finishing Plant Deactivation and Decommissioning Technical Safety Requirements” Rev 12

### 11.05 Disposition PFP Facility

#### 242-Z

- Continued size reduction and waste load out of WT-1 Glovebox in 242-Z Control Room

#### 234-5Z

- RMC Line
  - Removed lead shielding from top level of HC-9B to kickoff Insitu Size Reduction efforts
- Duct Level
  - Removed 525 feet of asbestos
  - Removed 334 feet of E-4 ducting from 234-5Z Duct Level
  - Removed Filter Boxes FB-2, FB-3, FB-5, FB-7 and FB-17 from 234-5Z

#### 236-Z Plutonium Reclamation Facility (PRF)

- Pencil Tanks
  - Dispositioned last remaining Pencil Tanks 8/9 (three units), WE-1/WM-1 (five units), and WS-1/WS-2 (three units), completing Pencil Tank size reduction and removal (shipment)

## MAJOR ISSUES

**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** – The DSA/TSR Rev 12 was approved by RL on May 4, 2015. The implementation plan has been drafted, affected documents are being modified, and training materials are being developed.

**Issue – Removal of hazardous material must be coordinated using a graded approach, to avoid cost and schedule impacts associated with complete removal of materials such as brass, electrical components, and lead based paint residues.**

**Corrective Action** – Coordinate with Environmental Programs to establish mass balance calculations for various hazardous materials, demonstrating how much hazardous material may be blended with building rubble and still meet ERDF waste acceptance criteria.

**Status** – PFP is continuing to work with Maintenance and Waste Integration to establish mass balance calculations. This effort is expected to be completed no later than September 30, 2015.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

- Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- ↑ Increased Confidence
- ↔ No Change
- ↓ Decreased Confidence

\*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																			
		Month	Trend																				
<b>RL-011/WBS-011</b>																							
<b>Explanation of major changes to the project monthly spotlight chart:</b>																							
During the month of May the project received official notification that one of the key risks, "DSA approval", was approved. The approval letter DOE-RL: 15-NDS-0043_RL will be used as justification to close PFP-091.																							
<b>Realized Risks (Risks that are currently impacting project cost/schedule)</b>																							
PFP-091: Approval of DSA Revisions	The concept outlined in the revisions of the DSA/TSR to achieve PFP Slab on grade are not approved by DOE, or additional controls are prescribed as part of the SER process resulting in schedule delays.	<span style="color: red; font-size: 20px;">↑</span>		In the month of May, CHPRC received correspondence from DOE-RL (Number 1502022, DOE-RL: 15-NDS-0043_RL) approving DSA Revision 12. This correspondence letter provides justification to close PFP-091. This risk was closed in the month of May and will no longer be reported on.																			
PFP-093: Regulatory interpretation of "1-kg" prior to starting demolition	The regulatory interpretation of "may contain significantly less than 1 kg" of material within the PFP complex will lead to significantly more MAR removal than planned and could require unauthorized activities (e.g., slab removal), necessitating delays to prepare and approve environmental documents to supplement the existing CERCLA removal action, resulting in schedule delays, and cost impacts. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$4M, 80 days	<span style="color: red; font-size: 20px;">↔</span>		<b>Risk Event:</b> Presented CHPRC "white paper" to DOE-RL, providing our legal and contractual position that there is no requirement that the amount of residual contamination contained within the slabs and below grade surfaces be <1 kg. RL continues to maintain a position that they believe there is. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 60%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 20%;">%</th> </tr> </thead> <tbody> <tr> <td>Manage in real time between PFP, Environmental, Contracts, and Legal</td> <td rowspan="2" style="text-align: center;">03/02/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop a white paper for DOE-RL (Environmental has the lead) for concurrence</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Submit formal REA</td> <td></td> <td style="text-align: center;">08/27/15</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> <b>Recovery Action Assessment:</b> Initiated development of a ROM estimate to physically remove the slabs, at RL request. Received formal letter from RL requesting submittal of a formal proposal to perform slab removal activities. Development of an informal estimate was under development and will be presented to DOE on June 04, 2015 for their consideration.	Risk recovery action(s)	Risk Date	FC Date	%	Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100	Develop a white paper for DOE-RL (Environmental has the lead) for concurrence	Complete	100	Submit formal REA		08/27/15	0				
Risk recovery action(s)	Risk Date	FC Date	%																				
Manage in real time between PFP, Environmental, Contracts, and Legal	03/02/15	Complete	100																				
Develop a white paper for DOE-RL (Environmental has the lead) for concurrence		Complete	100																				
Submit formal REA		08/27/15	0																				
PFP-GB-11: Premier System/Suit Training	Identified D&D field teams are not fully trained or qualified to operate Premire system or wear Premire suits resulting in schedule delays. <b>Risk Handling Strategy:</b> Accept  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$0, 44 days *Cost increase will result in cost per day impacts from crews, and hotel load.	<span style="color: red; font-size: 20px;">↑</span>		<b>Risk Event:</b> In the month of January, risk was realized when concerns related to the FireHawk respiratory masks were identified, resulting in management stop work. <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="width: 60%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 20%;">%</th> </tr> </thead> <tbody> <tr> <td>Issues/Lift stop work associated with all UNITEC masks</td> <td rowspan="2" style="text-align: center;">01/21/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Develop lessons learned</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Perform UNITEC QC spot checks to ensure masks are field ready.</td> <td></td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Establish secondary contract in the event additional issues are encountered.</td> <td></td> <td style="text-align: center;">07/31/15</td> <td style="text-align: center;">0</td> </tr> </tbody> </table> <b>Recovery Action Assessment:</b> Issues related to the masks laundered by UniTech impacted the 234-5Z KPP glovebox teams' ability to train due to concerns related to the masks. Once concerns were resolved, priority was focused on 242-Z, and training took place in the month of May for 234-5Z KPP glovebox teams. Additional training to manage dose has been completed so as to ensure that the continuation of D&D work at PFP continues without interruption. Alternative course of actions include establishing a secondary contract with a mask supplier in the event additional issues are encountered. A secondary contract is expected to be in place no later than the end of July 2015. This will mitigate any potential future issues with the local Laundering vendor.	Risk recovery action(s)	Risk Date	FC Date	%	Issues/Lift stop work associated with all UNITEC masks	01/21/15	Complete	100	Develop lessons learned	Complete	100	Perform UNITEC QC spot checks to ensure masks are field ready.		Complete	100	Establish secondary contract in the event additional issues are encountered.		07/31/15	0
Risk recovery action(s)	Risk Date	FC Date	%																				
Issues/Lift stop work associated with all UNITEC masks	01/21/15	Complete	100																				
Develop lessons learned		Complete	100																				
Perform UNITEC QC spot checks to ensure masks are field ready.		Complete	100																				
Establish secondary contract in the event additional issues are encountered.		07/31/15	0																				

**Critical Risks** (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)

**Lifecycle Risk Triggers** (Risk could be realized at any point of the project)

PFP-092: Increased Characterization	Source term uncertainties increase the need for characterization above what is planned for cost and schedule, resulting in cost impacts and schedule delays. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$1.5M, 45 days			<b>Risk Trigger:</b> Will continue throughout project lifecycle until Demolition activities commence.		
				<b>Mitigation action(s)</b>	<b>FC Date</b>	<b>%</b>
				Identify characterization coordinator to perform field characterization/sampling.	Complete	100
				Develop characterization strategy to lessen the unexpected identification of unknowns (i.e. beryllium, asbestos, radiological and vapors).	Complete	100
				Develop real-time go/no-go decisions into work documents for Environment, and Safety concerns.	08/06/15	0
<b>Mitigation Assessment:</b> Development of characterization strategy was completed in the month of May with no foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.						

**FY 2015 Risk Triggers** (Risk could be realized in FY 2015)

PFP-DEMO-02: Air Modeling Increases Equipment Removal/Decontamination for Demo	Air Dispersion identified additional MAR reduction higher than planned or DOE directs constrains from Rev.12 SER, resulting in additional decontamination/fixatives and equipment removal prior to initiating open-air demolition resulting in schedule delays. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$0, 120 days *Cost increase will result in cost per day impacts from crews, and hotel load.			<b>Risk Trigger Metric:</b> 07/06/2015		
				<b>Mitigation action(s)</b>	<b>FC Date</b>	<b>%</b>
				Develop SOW to allow PNNL to update Air Dispersion model base on engineering controls to sequester MAR.	Complete	100
				Work with the CHPRC environmental to communicate bounding assumptions for air modeling.	Complete	100
				Work with regulators to identify controls to allow for equipment removal and demolition as planned.	07/15/15	50
				Develop and implement plans to document criterion are met.	08/30/15	0
Deploy teams from non-critical path work scope to reduce schedule impacts.	09/30/15	0				
<b>Mitigation Assessment:</b> Additional MAR removal may be required based on PNNL Air Dispersion model. This would impact cost, and result in prioritization of MAR removal activities. No alternative course of actions needed at this time. The initial draft of the revised Air Dispersion Model is expected to be received mid-June 2015.						

**FY 2016 Risk Triggers** (Risk could be realized in FY 2016)

PFP-291-01 - 291-Z Characterization Unknowns	Characterization data will uncover higher levels of contamination than expected in the stack and 291-Z plenum to support demolition, resulting in cost impacts and schedule delays. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$1M, 88 days			<b>Risk Trigger:</b> 07/09/16		
				<b>Mitigation action(s)</b>	<b>FC Date</b>	<b>%</b>
				Identify characterization team to obtain characterization data for 291-Z.	01/07/16	0
				In the event additional cleanout is required, work with Plan of the Day/Plan of the week to schedule additional overtime to recover from schedule delays.	04/04/16	0
<b>Mitigation Assessment:</b> No changes in the month of May. No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored to obtain characterization data early in the project. No alternative course of actions needed at this time.						

**High Risk Threat Value** (Recoverable slip to enforceable or incentivized milestone)

**FY 2016 Risk Triggers** (Risk could be realized in FY 2016)

PFP-PRF-22: OPP: NDA Process Allows for Section Results to be used	Improved NDA process allows for disposition of gallery gloveboxes into waste containers by using section data rather than summation of entire glovebox, resulting in schedule efficiencies. <b>Risk Handling Strategy:</b> Exploit  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$0, 60 days *Cost savings will result in cost per day from crews, and hotel load.			<b>Risk Trigger:</b> 10/05/2015		
				<b>Mitigation action(s)</b>	<b>FC Date</b>	<b>%</b>
				Identify activities necessary to implement in the FES	Complete	100
				Complete FES activities ( last FES activity PRF-GGB-0157)	01/4/16	0
<b>Mitigation Assessment:</b> No changes in the month of May. No foreseeable impacts in the near future. Opportunity will continue to be tracked and monitored throughout the Gallery Glovebox subproject lifecycle. No alternative course of actions needed at this time.						

**Unassigned Risks** (Pending ownership of identified risks/opportunities)

No unassigned risks identified for RL-011 in the month of May.

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	Budgeted Cost of Work Scheduled (BCWS)	Budgeted Cost of Work Performed (BCWP)	Actual Cost of Work Performed (ACWP)	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	9.3	9.6	7.7	0.3	3.3%	1.9	19.9%

Numbers are rounded to the nearest \$0.1 million.

#### CM Schedule Variance: (+\$0.3M/+3.3%)

The current month favorable schedule variance is within reporting thresholds.

#### CM Cost Variance: (+\$1.9M/+19.9%)

The current month favorable cost variance focuses primarily on efficiencies realized with fewer breathing air suits being required for entries into 242-Z than planned. The productivity of the field work teams completing Pencil Tank size reduction with less effort than was originally projected, as well as a reduction in required system engineering support for vital safety systems maintenance and additional reduction of maintenance activities required to be performed on these systems as the project nears the mission goal of slab on grade.

## 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	802.6	772.3	806.5	(30.3)	-3.8%	(34.2)	-4.4%	953.7	962.6	(8.9)

Numbers are rounded to the nearest \$0.1 million

#### CTD Schedule Variance (-\$30.3M/-3.8%)

The Schedule Variance is within reporting thresholds.

#### CTD Cost Variance (-\$34.2M/-4.4%)

The Cost Variance is within reporting thresholds.

#### Variance at Completion (-\$8.9M/-0.9%)

The Variance at Completion is within reporting thresholds.

**Contract Performance Report Formats are provided in Appendix A.**

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

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0011	128.4	116.7	11.7

Numbers are rounded to the nearest \$0.1 million

### Funds/Variance Analysis

FY2015 expected funding for PBS RL-0011 of \$128.4 million remained constant for May. The Spend Forecast was reduced from the prior month due to the reduction of breathing air suits required for entries into 242-Z and elimination of subcontracts (demolition plan review and user based services) to \$116.7 million.

### Critical Path Schedule

The PFP critical path drives through the completion of the column glovebox preparation for removal, transitioning to the draining and fixing of the 234-5Z drain lines, leading to 234-5Z becoming ready for demo and, finally, demolition of 234-5Z and completion of the final Tri-Party Agreement milestone – M-083-00A - *PFP Facility Transition and Selection Disposition Activities*.

### Baseline Change Requests

BCRA-PRC-15-034R0 - *Base Year Shift in Support of FY2016 Annual Update*

BCRA-PRC-15-038R0 - *HPIC Updates May 2015*

CR-PRC-15-037R0 - *Undistributed Budget Adjustments May 2015*

## 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 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-Z & 291-Z Facilities	09/30/15		5/31/16	This Tri-Party Agreement completion has been impacted by sequestration and annual funding limitations. It is currently unattainable. <b>NOTE: This TPA Milestone has changed to “Complete significant progress on removal of gloveboxes and disposal of 236-Z Pencil Tanks”. This will be updated with a BCR in July reporting.</b>
M-083-00A	PFP Facility Transition and Selection Disposition Activities	09/30/16		9/15/16	The PFP Project continues to make progress on the behind schedule critical path work scope being performed. However, this Tri-Party Agreement completion is at risk of meeting the September 30, 2016 commitment 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)



**R. M. Geimer**  
Vice President for  
Sludge Treatment Project  
(STP)

**May 2015**  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

- The 100K Operations group continued maintaining facilities in a safe and compliant condition, supporting the Engineered Container Retrieval and Transport System (ECRTS) Project work by supporting Annex construction activities, and continued debris dose rating and relocation activities in 105KW Basin.
- The ECRTS technical team continued with executing the activities that re-establish the design for the safety-related Auxiliary Ventilation System and progress was made on the design and supporting calculations. Application of the Unreviewed Safety Question (USQ)-like process ensures all design changes remain compliant with the RL approved safety design basis. The project team focused on advancing the design documentation necessary to facilitate procurement of production systems, structures, and components (SSCs).
- The ECRTS Project continued to process additional procurement packages and has fifteen packages in the formal acquisition process.
- Continued testing activities at the Maintenance and Storage Facility (MASF) and preparations for cold commissioning.
- Continued Operator training and familiarization with ECRTS components at MASF along with fabrication on support tools and equipment.
- Annex Construction continued to make progress with Mechanical and Electrical installations, insulation installation on HVAC components, conduit installation and initiated wire pulls, welding and installation of Ion Exchange Module (IXM) piping, fire caulking penetrations, and preparations for electrical outage.

## EMS OBJECTIVES AND TARGET STATUS

15-EMS-DWFRS-OB1-T2	Reduce the risk of noncompliance with environmental requirements.	Develop compliance matrices for 100K CERCLA documents.	9/30/15	50%
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## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	0	N/A
First Aid Cases	2	27	<ul style="list-style-type: none"> <li>• 5/7/2015 – While installing sheetrock to the ceiling of the Change Room, employee experienced a tightness in his neck and developed a headache. Employee was taken to HPMC and released to work with no restrictions. (23664)</li> <li>• 5/31/2015 – While conducting a soil density test, employee stepped down from the edge of the excavation surface and rolled left ankle. Employee was transported to Kadlec Regional Medical Center. (23694)</li> </ul>
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

- ECRTS Process Equipment Procurement issued contracts for procurement set #12 – SS Oxygen Analyzer and procurement set #13 – Radiation Monitoring Instrumentation. The safety significant (SS) Basic Ordering Agreement (BOA) holders delivered proposals for procurement set #10 – SS Truck Scale and Panel and procurement set #14 – SS Control System Panels. Procurement set #10 proposals were unacceptable, and a revised Request for Proposal (RFP) was being prepared and additional information was requested on proposals for procurement set #14.
- Annex Construction completed flush of hydrostatic test of the hydronic system, concrete placement and form removal for the doghouse enclosure, installation of all the process hoses in the HIH chase, framing and drywall installation for the change room, and installed the heater in the High Bay.
- K Basin and Annex Equipment Design received constructability comments on engineering package #18 for the XAGO pump skid and flocculent skids installation, incorporated constructability review comments for engineering package #11, and completed engineering package #2 for the annex panel installation.
- T Plant constructability review produced 237 comments on construction specification and design media; they are currently being evaluated and resolutions incorporated.
- MASF - ECRTS Test Mockup fabricated Sludge Transport and Storage Container (STSC) fit-up tool and sent it to the STSC fabrication contractor to use during fit-up of STSC internals during fabrication. ECRTS STSC/Cask Venting Demonstration completed assembly of the ECRTS nitrogen purge system and vent tubing. Completed assembly of the T Plant nitrogen purge system and vent tubing.
- 100K Operations completed an emergency preparedness drill at 105KW, removal and replacement of IXM-4, trouble-shooting of Integrated Water Treatment System (IWTS) Variable Frequency Drive (VFD), and 189K two-year Indicating Transmitter Calibrations TIT-301-201.

## MAJOR ISSUES

None currently identified.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

- Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

- Increased Confidence
  - No Change
  - Decreased Confidence
- \*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
<b>RL-012/WBS-012</b>																		
<b>Explanation of major changes to the project monthly spotlight chart:</b> No major changes to the spotlight chart in the month of May.																		
<b>Realized Risks (Risks that are currently impacting project cost/schedule)</b>																		
STP-111-A: Annex ECRTS Installation Contractor/Subcontractor Performance	The general contractor and their supporting subcontractors installing ECRTS equipment in Annex in support of the project may be challenged by compliance with project requirements (e.g., quality, nuclear standards and requirements, safety, subcontractor management, NRTL, suspect counterfeit), maintenance of key staff and schedule execution within the project requirements and their Firm Fix Unit Rate Contract Commitments. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26 % to 74%) <b>Worst Case Impacts:</b> \$10 million, 240 days		<b>Risk Event:</b> Albi Clad repairs and associated impacts on mechanical and electrical contractor delays, and recent delays by the General Contractor with the closeout of various NRC conditions (e.g., various bolt-related issues/conditions) and material and procurement delays have impacted the critical path schedule. Material procurement delays have impacted the fire piping installation, ductwork installation, and impacted critical path electrical work scope. Workmanship and sequencing issues continue to impact the start of the change room.	<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <thead> <tr> <th style="width: 70%;">Risk recovery action(s)</th> <th style="width: 10%;">Risk Date</th> <th style="width: 10%;">FC Date</th> <th style="width: 10%;">%</th> </tr> </thead> <tbody> <tr> <td>Request Contractor Status Report</td> <td rowspan="3" style="text-align: center;">05/08/12</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)</td> <td style="text-align: center;">9/30/15</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Develop Correction Action Plans</td> <td style="text-align: center;">On-Going</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Request Contractor Status Report	05/08/12	Complete	100	Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)	9/30/15	5	Develop Correction Action Plans	On-Going	N/A
Risk recovery action(s)	Risk Date	FC Date	%															
Request Contractor Status Report	05/08/12	Complete	100															
Conduct weekly FEC Interface Meetings (QA, Engineering, POD/POW and other management forums)		9/30/15	5															
Develop Correction Action Plans		On-Going	N/A															
<b>Recovery Action Assessment:</b> CAP's and other historical corrective actions have not been effective. Therefore, the CHPRC project team continues to press on resolution of the various emergent issues in the weekly forums that are already scheduled (i.e., QA, Engineering, POD/POW, FEC Interface Meeting, and Management Forums). Albi Clad is 95 percent complete in the field. Fire seals at the intermediate bay continue to hold up the change room installation. Electrical and Mechanical material procurement of SS components that caused the majority of the delays is 95 percent complete. Fire Piping installation recovery complete. CHPRC continued to work contract close out with cost price staff and third party auditors. Third party auditor contract has been awarded and is being engaged in the closeout preparation process. Subcontract status request was received. "To Go" change was not issued to FE&C at the end of May as planned due to less than adequate proposal received from FE&C. FE&C was directed to revisit their proposal to include \$1.5 million of missing costs and resubmit their proposal. A new proposal from FE&C is expected on 6/11/15. CHPRC is in the process of reviewing this proposal and expects to complete the review by end of June.																		

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																	
		Month	Trend																		
<b>RL-012/WBS-012</b>																					
STP-120-A: Annex Construction - Design & Design Engineering During Construction (Title III)	<p>Improper, imprecise, missing design details, field interferences, and as-found conditions identified during construction will require clarification and rework of design media. Related risk exists that changes in engineering processes, engineering codes or standards (e.g., code of record), other requirements (e.g., PDSA, FHA), or changes in other site processes or procedures (e.g., H&amp;R, OS&amp;IH, L&amp;T) will also impact construction execution. These changes are eminent and outside the projects control.</p> <p><b>Risk Handling Strategy:</b> Control</p> <p><b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$9M, 270 days</p>			<p><b>Risk Event:</b> Design change affected field activities since September 2012 with corrective action plans completed in February 2013. In addition, the ability to address improper, imprecise, or missing design details was negatively impacted by losing resources to WRPS.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Implement all feasible design and field engineering corrective actions</td> <td rowspan="3">05/08/12</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete mechanical engineer requisition</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Determine DNCs phase implementation</td> <td>06/15/15</td> <td>50</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> No changes to the risk recovery actions in May. Monitor A/E performance and field engineering facilitating where possible. Overall recovery was challenged by recent loss of ME Field Engineer, Design Authority (i.e., Ventilation Systems) and STP FPE assigned to the Annex Construction. Replacement requisition issued for field ME. Interviews in process. Quality candidates are not readily available. Backfilling for other resources will take several months.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100	Complete mechanical engineer requisition	Complete	100	Determine DNCs phase implementation	06/15/15	50			
Risk recovery action(s)	Risk Date	FC Date	%																		
Implement all feasible design and field engineering corrective actions	05/08/12	Complete	100																		
Complete mechanical engineer requisition		Complete	100																		
Determine DNCs phase implementation		06/15/15	50																		
STP-119-A: Annex Construction - Contract Close-Out	<p>During the administration of any contracts, the likelihood of an adversarial relationship developing between the customer and their suppliers, vendors and subcontractors is very high and typically results in unresolved changes/claims that are set aside and addressed at the end of the project.</p> <p><b>Risk Handling Strategy:</b> Control</p> <p><b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$6M, 800 days</p>			<p><b>Risk Event:</b> Change orders to limit eventual claims at the end of the job.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Issued Subcontractor Status Request Matrix</td> <td rowspan="4">02/01/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Develop estimate on the "To Go Costs"</td> <td>06/30/15</td> <td>75</td> </tr> <tr> <td>Document changes into Phase I or Phase II completion buckets</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incurred Costs have been submitted by Contractor – CHPRC is reviewing.</td> <td>06/30/15</td> <td>75</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> CHPRC has initiated contract closeout actions. Internal cost price staff engaged, audit plan developed and FAR compliant auditors will be scheduling review meetings with the general contractor. Expect to issue "To Go" change by end of June. The one-month slip results in no additional impacts to the project.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Issued Subcontractor Status Request Matrix	02/01/15	Complete	100	Develop estimate on the "To Go Costs"	06/30/15	75	Document changes into Phase I or Phase II completion buckets	Complete	100	Incurred Costs have been submitted by Contractor – CHPRC is reviewing.	06/30/15	75
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Incurred Costs have been submitted by Contractor – CHPRC is reviewing.		06/30/15	75																		
STP-121-A: Annex Construction - Inclement Weather & As-Found Conditions	<p>Impacts due to site or related construction events (i.e., crane, electrical, spills or other related accident that may impact construction but not directly related to the project and/or project related events and safety stand-downs due to dropped tools, OH hazards, picking and lifting, injury, trend or behavior that may imply and stand down is warranted).</p> <p><b>Risk Handling Strategy:</b> Accept</p> <p><b>Probability:</b> Low (10% to 25%) <b>Worst Case Impacts:</b> \$2M, 66 days</p>			<p><b>Risk Event:</b> Recent examples with the associated delays included the exposure of unknown ground wire during asphalt removal and subsequent stop work. Impact 1 week. On April 14, 2015, notification was made by central safety regarding negative exposure during welding. As a result, all welding stopped on the K-Annex. Additional sampling implemented and continue to wear FF. Additional samples requested.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Events are emergent and addresses at they emerge (i.e. corrective actions)</td> <td>11/01/12</td> <td>9/30/15</td> <td>75</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> Events are emergent and will be addressed as they emerge. Risk is accepted and will be monitored throughout the lifecycle of the project.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Events are emergent and addresses at they emerge (i.e. corrective actions)	11/01/12	9/30/15	75									
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Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																			
		Month	Trend																				
<b>RL-012/WBS-012</b>																							
STP-067A: Safety Classification of SSCs	<p>The final design for the Engineered Container Retrieval and Transfer systems, including the Sludge Transport and Storage Containers (STSCs) and the Sludge Transportation System (STS), identify SSCs that are classified as General Service or Safety Significant. A possibility exists that DOE will direct CHPRC to classify ECRTS SSCs at a higher safety classification.</p> <p><b>Risk Handling Strategy:</b> Control</p> <p><b>Probability:</b> Low (10% to 25%) <b>Worst Case Impacts:</b> \$1.5M, 120 days</p>	↓		<p><b>Risk Event:</b> A PDSA Safety Evaluation Report (SER) containing three Conditions of Approval (COAs) was transmitted to CHPRC on February 5, 2015, (1500632/15-NSD-0027_RL). RL has requested submittal of a new or revised STSC headspace hydrogen mitigation control strategy for review and approval. The Nuclear Safety Initiatives for spray leak methodology/spray leak control and for sludge layering have been approved, which will allow design modifications and related procurements to begin. All design changes will be reviewed through the USQ-Like process to ensure compliance with the approved PDSA, subject to the restrictions imposed by the COAs.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.</td> <td rowspan="2">02/05/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Execute the agreed upon work scope to update the ECRTS Design and PDSA.</td> <td></td> <td>09/30/15</td> <td>30</td> </tr> <tr> <td>Resubmit the updated PDSA to DOE RL for approval.</td> <td></td> <td>09/30/15</td> <td>0</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> CHPRC and DOE RL Senior Management met and agreed upon a path forward. Recovery actions listed above are consistent with meeting results from April 6, 2015. Although CHPRC submitted an NOC via CHPRC-1501242, dated March 19, 2015, DOE RL denied a change occurred via 15-AMRP-0142.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Prepare a Notice of Change to notify DOE RL that CHPRC believes a scope change has occurred with developing a PDSA.	02/05/15	Complete	100	Meet with DOE RL to agree upon the Actions required to resolve COQ number 1, number 2, and number 3.	Complete	100	Execute the agreed upon work scope to update the ECRTS Design and PDSA.		09/30/15	30	Resubmit the updated PDSA to DOE RL for approval.		09/30/15	0
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Resubmit the updated PDSA to DOE RL for approval.		09/30/15	0																				
STP-123-T: T-Plant - Design Maturity	<p>The final Nitrogen System design is pending FHA update. The construction specification is currently in development. In addition, changes resulting from the PDSA impact the design. There is additional risk with bidder interpretation of the facility ECRs. They do not clearly provide the entire scope of the contractor's work and clarifying bid document details are required.</p> <p><b>Risk Handling Strategy:</b> Control</p> <p><b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$390K, 64 days</p>	↑		<p><b>Risk Event:</b> The risk is being realized based on constructability reviews of the FMPs. The impacts associated with this are the additional cost and resources associated with correcting design errors and providing constructability aids, conducting material take offs, resulting in a lower cost underrun for performing the original design. No schedule impacts are currently being realized.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Incorporate PTS Comments on Construction Spec.</td> <td rowspan="2">03/03/15</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete PTS Construction Review w/Drawings and Specifications</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW</td> <td></td> <td>07/07/15</td> <td>0</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> No slides to the forecasted recovery dates. No additional foreseeable impacts then those noted above in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions are needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Incorporate PTS Comments on Construction Spec.	03/03/15	Complete	100	Complete PTS Construction Review w/Drawings and Specifications	Complete	100	Incorporate Comments and Revise T-Plant Design Documents for the Construction SOW		07/07/15	0				
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<b>Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)</b>																							
<b>Lifecycle Risk Triggers (Risk could be realized at any point of the project)</b>																							
STP-072: Delayed STSC/ECRTS Procurement & Delivery	<p>Material delivery and fabrication issues at ECRTS vendor facilities delay the delivery of components to the Sludge Treatment Project, resulting in cost impacts, and schedule delays.</p> <p><b>Risk Handling Strategy:</b> Control</p> <p><b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$3M, 120 days</p>	●	↔	<p>During the month of April, this risk was updated to reflect current project status. It was identified the risk value was incorrect and was updated to reflect a moderate risk value. This eliminates the requirement to report on as a "key project risk", but will continue to be monitored internal to the project.</p>																			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																		
		Month	Trend																			
<b>RL-012/WBS-012</b>																						
<b>FY 2018 Risk Triggers</b> (Risk could be realized in FY2018)																						
STP-018: STP Operational Upset or Spill	An operational upset or spill results in a work shutdown at K Basins. <b>Risk Handling Strategy: Control</b>  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$6M, 90 days	●	↔	<p><b>Risk Trigger:</b> Will commence in FY2018 and continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.</td> <td>06/30/17</td> <td>5</td> </tr> <tr> <td>Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.</td> <td>July 2017</td> <td>0</td> </tr> <tr> <td>Utilize overtime as needed, or if required, to respond to events</td> <td>As needed</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Mitigation Assessment:</b> Forecasted mitigation dates are consistent with overall STP critical path schedule. <b>No changes in the month of May.</b> ECRTS Familiarization training for the NCOs at MASF has started and will continue through December 2015. Training and procedure development is underway as well. OTJ for the operators on MASF equipment will start in FY2017. No foreseeable impacts in the near future and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Conduct testing and training at MASF and develop procedures that use the information and knowledge gained during the activity for use at the KW Basin.	06/30/17	5	Conduct rigorous startup testing following system installation at the 105KW Basin and Annex.	July 2017	0	Utilize overtime as needed, or if required, to respond to events	As needed	N/A						
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Utilize overtime as needed, or if required, to respond to events	As needed	N/A																				
STP-073: Processing Efficiency - Retrieval & Shipping	The realized processing efficiency associated with sludge retrieval and shipping operations does not match baseline plan. <b>Risk Handling Strategy: Control</b>  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$5M, 120 days	●	↔	<p><b>Risk Trigger:</b> Beginning with Operations Campaign – August 15, 2018, per current Field Execution Schedule (FES)</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Review lessons learned from NLOP sludge retrieval.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Incorporate operations personnel recommendations into the ECRTS Process System &amp; STSC design.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.</td> <td>09/30/16</td> <td>50</td> </tr> <tr> <td>Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.</td> <td>8/15/18</td> <td>20</td> </tr> </tbody> </table> <p><b>Mitigation Assessment:</b> <b>No changes in the month of May.</b> Operations personnel had training on the process system equipment and will continue to participate in training activities through production system installation at 100K. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Review lessons learned from NLOP sludge retrieval.	Complete	100	Incorporate operations personnel recommendations into the ECRTS Process System & STSC design.	Complete	100	Evaluate alternatives to reduce the total STSC's by optimization of sludge loading.	Complete	100	Test the Design on simulated sludge and test the production hardware to validate operability prior to installation in the 105 KW Basin.	09/30/16	50	Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20
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Fully train operations personnel on the system at MASF prior to commencing operations in the basin including providing adequate time to achieve reasonable operational proficiency.	8/15/18	20																				
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)																						
<b>Lifecycle Risk Triggers</b> (Risk could be realized at any point of the project)																						

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
<b>RL-012/WBS-012</b>													
STP-114: Aging Building Systems/Components Problems Impact Operations & S&M Activities	Problems with aging building systems/ components (e.g. ventilation systems, water distribution system, CAM's, instrument air system, fire alarm system, and electrical system, etc) result in inoperability or requires unscheduled maintenance/ outages, impacting planned operations or on-going surveillance and maintenance activities. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Very Likely (>90%) <b>Worst Case Impacts:</b> \$5M, 88 days	●	↔	<p><b>Risk Trigger:</b> Will continue throughout project lifecycle until sludge is removed from 105KW Basin.</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table> <p><b>Mitigation Assessment:</b> No changes in the month of May. Operations continues to maintain the facilities in an operational status with no foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A	Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A
Mitigation action(s)	FC Date	%											
Perform critical system reliability assessments; maintenance practices; procure critical spares, and maintain existing redundancies.	On-Going	N/A											
Continue with baseline plan for corrective and preventative maintenance on systems, structures and components.	On-Going	N/A											
<b>Unassigned Risks (Pending ownership of identified risks/opportunities)</b>													
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.													
STP-009C: Sludge Retrieval Delays - Nuclear Safety	Sludge removal is delayed due to more stringent nuclear safety or transportation safety requirements than reflected in previously approved safety analyses, which results in changes to design and operational controls.  <i>CHPRC Comment:</i> Risk closed in the month of May as this risk is already captured in DOE-RLs register (Risk ID 12STP-03). This risk will no longer be reported on.												
STP-011C: Out of Scope T-Plant Upgrades to Store Sludge	Central Plateau receiving facility cannot receive sludge as scheduled.  <i>CHPRC Comment:</i> Requirements changes dictated by DOE or regulators are outside CHPRC control.												
STP-015: Stakeholder Challenge STP Path Forward	There is a risk that the path forward for sludge (storage on the Central Plateau pending treatment) will be challenged by stakeholders.  <i>CHPRC Comment:</i> Risk closed in the month of May as this risk is too generalized to be captured as a risk event. This risk will be closed in the risk database, and will no longer be reported on.												

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	6.5	6.1	6.6	(0.4)	-5.9%	(0.6)	-9.1%

Numbers are rounded to the nearest \$0.1 million

#### CM Schedule Performance (-\$0.4M/-5.9 %)

Variance is within reporting thresholds.

#### CM Cost Performance (-\$0.6M/-9.1 %)

Procurement of process equipment fabrications was under-accrued in April; this was corrected in May and resulted in a negative current month cost variance.

## 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	486.0	489.1	498.2	3.1	0.6%	(9.1)	-1.9%	696.1	709.3	(13.2)

Numbers are rounded to the nearest \$0.1 million

### CTD Schedule Performance (+\$3.1M/+0.6 %)

Variance is within reporting thresholds.

### CTD Cost Performance (-\$9.1M/-1.9 %)

Variance is within reporting thresholds.

### Variance at Completion (-\$13.2M/-1.9 %)

Variance is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

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

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0012	85.7	79.0	6.7

Numbers are rounded to the nearest \$0.1 million.

### Funds/Variance Analysis

Projected funding and Spending Forecast for PBS RL-0012 remained unchanged from the prior month.

### Critical Path Schedule

The critical path flows through the installation of process equipment, 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 include 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

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.

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)



**C. J. Simiele**  
Vice President for  
Waste, Fuels, and  
Remediation Services  
(WF&RS)

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The Waste, Fuels, and Remediation Services (WF&RS) project 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. The Waste Encapsulation and Storage Facility (WESF) Stabilization and Ventilation Project (W-130) completed formal review of the 90 percent design. Also, the W-130 project continued efforts to update the Hazard Analysis, Documented Safety Analysis, and Technical Safety Requirements based on final design. In addition, the project shipped twelve Watch List drums and one suspect TRU Fiberglass Reinforced Plywood waste box (FRP) from the Central Waste Complex to PermaFix Northwest for processing.

## EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-DWFRS-OB1-T1	Reduce the risk of noncompliance with environmental requirements.	Develop compliance matrices for T Plant and CWC.	9/30/15	45%

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	3	N/A
First Aid Cases	1	22	• Employee was bitten/stung on the wrist and returned to work without restriction. (23685)
Near Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

### 13.01 Project Management

- Performed Beryllium sampling activities within prescribed Central Waste Complex (CWC) buildings
- A Temporary Authorization was routing in the DOE correspondence system for the FS-1 closure plan while Ecology goes through the public comment period
- Ecology provided comments on the 277-T Building Closure Plan and a comment resolution meeting is scheduled for June 11, 2015

### 13.02 Capsule Storage & Disposition

- Performed/Completed:
  - o Two-year calibration of Differential Pressure Indicator (DPI) K3-DPI-1-2
  - o Annual calibrations of pool cell ion exchange flow meter/conductivity transmitter
  - o Annual K1 filter differential loop calibration check
  - o Annual pool cell air dilution port inspection

- o 365/730-day calibration of hot cell Differential Pressure Indicators (DPIs)
- o 365-day calibration of pool cell Ion Exchange (IX) Inductor to Pneumatic (I/P) convertors and calibration of K1 and K3 filter DPIs
- o One-year G Cell capsule transfer chute inspection
- o 30 day Pool Cell beta monitor loop verification and Weight Factor Indicators/Transmitters (WFI/T) calibrations
- o Canyon entries in support of and corrective maintenance on 15 ton canyon crane brakes (Project W-130 Support)
- o Installation of new RIT detector into location 2E and removal of three other detectors in preparation for shipment to vendor for factory warranty upgrades
- o Work commenced on annual 296-B-10 Stack Sample Probe inspection and Preventive Maintenance (PM); insulation was removed from top section of sample line and Probe, QC performed visual inspection of spare Sample Probe for obstructions and cleanliness. Spare probe and insulation was reinstalled and PM completed
- o Completed 40 PM work packages
- o Completed monthly Technical Safety Requirements (TSR) and Environmental PM and surveillance requirements
- **WESF Stabilization and Ventilation Project (W-130):**
  - o Completed formal design review. Final design will be submitted June 4, 2015.
  - o Awarded fixed price contract for long lead procurement of K3N heater assembly to local small business
  - o Continued work with RL and Ecology to resolve permit modification application issues
  - o Began drafting Air Permit Phase 1 permit request for continued use of existing stack permit conditions for approval by WDOH
  - o Continued planning for failed capsule response plan activities in G cell, F cell manipulator removal, and G cell manipulator reactivation
  - o Continued update of Hazard Analysis, Documented Safety Analysis (DSA), and TSR based on final design
  - o Received Notice to Proceed from RL for final change order for construction
  - o Started drafting statements of work for construction contracts

### 13.03 Canister Storage Building (CSB)

- Performed/Completed:
  - o Annual/monthly alpha Continuous Air Monitor (CAM) functional checks/calibration
  - o Annual compressor Preventive Maintenance (PM)
  - o Six-month high-efficiency particulate air (HEPA) filter test of Air Handler AH-006 at multi-canister overpack (MCO) Sampling/Weld stations
  - o Quarterly west vehicle barrier (Nasatka) PM
  - o Quarterly MCO handling machine (MHM) interlock channel checks
  - o Monthly operations check of Gaseous Effluent Monitoring System (GEMS)-100
  - o Monthly Radioactive Material Area (RMA) inspections
  - o 18 PM work packages
  - o In preparation for five-year Fire Water Storage Tank diver inspection/cleaning:
    - Four-year/One-year fire alarm control panel PM; 1-year flow indicator calibration
    - Monthly fire pumps test/inspection
    - Hazard Review Board (HRB)

### 13.06 TRU Repackaging

- Shipped 12 watch list drums and one fiberglass-reinforced plywood box (FRP) to PermaFix Northwest (PFNW)

- o PFNW processed the 12 watch list drums (TC-126) shipped on May 7, 2015
- o PFNW is currently processing FRP 762DMA12F shipped on May 14, 2015

### 13.07 Waste Receiving and Processing Facility (WRAP)

- Performed/Completed:
  - o Annual Dwyer® glovebox pressure differential indicator calibrations
  - o Walkdown with MSA Electrical Utilities in support of upcoming facility outage to replace a 250V disconnect with a 600V rated disconnect supplying power to MO-2159 and MO-2161
  - o Annual aerosol test of high-efficiency particulate air (HEPA) filter exhaust system efficiency
- Surveillances/PMs:
  - o Seven TSR surveillances
  - o Six PM packages
  - o 90 Radiological (Rad) surveillances
  - o 28 Operational surveillances

### 13.08 T Plant

- Performed/Completed:
  - o Beryllium characterization walk-down of 211T, 214T, and 2716T
  - o 291T three-month vent and balance stack flow testing
  - o Hazard Review Board for Depressurization of Propane cylinders
  - o Removal of sheet metal and insulation, and disconnected differential pressure (DP) gauges in preparation for 291T pre-filters replacement
- Surveillances/PMs
  - o Six TSR surveillances
  - o 233 Rad surveillances
  - o 18 PM packages
  - o 150 Operational surveillances

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

- Performed/Completed:
  - o Continued with CWC building floor repair work in 2403-WC for caulking repairs; completed caulking repairs in 2403-WD
  - o Hanford Fire Department (HFD) completed repairs to System Restriction 15-054 in 2403-WC
  - o Gasket repairs to Super 7A Terrex® trailer base in preparation for waste container loading activities
  - o Issued recovery plan CWC-RP-15-002 Rev. 1 on May 5, 2015 to allow buildings that do not contain friction mat material to enter Operations Mode for scheduled activities
  - o Annual container inspection for Type A trailer
  - o Commenced annual overhead roll-up door PMs in 2400-W series building
- Surveillances/PMs:
  - o Seven TSR surveillances
  - o 29 PM packages
  - o 182 Rad surveillances
  - o 155 Operational surveillances
- Shipments Received:
  - o Nine Standard Waste Boxes (SWB) from PFNW to CWC

### 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:
  - o 28 Rad surveillances
  - o 110 Operational surveillances

## MAJOR ISSUES

### Issue:

Aging Fire Alarm Systems (FAS) have made it difficult to maintain reliable operation and obtain like-for-like replacement parts. These FAS are no longer supported by the manufacturer. Six of the existing Fire Alarm Control Panels (FACP) at CWC and T Plant are obsolete. Parts are no longer available from the manufacturer or Hanford Fire Department (HFD). It is likely that one of these FACP will fail within a year. The 2402 series buildings will require a FACP to support the new Remote Fire Alarm Reporter (RFAR) system. The existing RFARs are no longer supported by the manufacturer. Hanford Fire Department has enough parts available to support their operations for about two years. Many of the Solid Waste Operations Complex (SWOC) FACP were designed with limited abilities. Most FACP were configured with all the supervisory devices (e.g., temperature monitor, tamper devices, air pressure monitor) on a single zone. When a trouble signal is transmitted to the HFD, they cannot determine the cause until they perform an onsite investigation. When the HFD bypass RFAR trouble signals, all other trouble signals transmitted from the same FACP are ignored.

### Corrective Action:

Fund and update the fire alarm control panels/devices and RFAR systems. This action will allow improved abilities to identify multiple fire trouble alarms and provide continued service of the FAS through the lifecycle of the facilities.

### Status:

Hanford Fire Department has plans to replace the RFAR equipment starting with the Nuclear Facilities. The new RFAR systems will not update the Facility FACP and connecting devices. Hanford Fire is developing a project plan (for the MSA scope) including funding requirements to RL for authorization. This does not include the Facility FACP connecting devices. Item has been included in the FY2015 Buy Back List.

### Issue:

Deteriorating Waste Containers: Retrieved and repackaged containers in storage 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 (WIPP). This configuration would also mitigate/eliminate the risk and additional cost for long-term management of these containers.

### Status:

Continuing to use 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 over packing drums). RL has provided additional authorization for \$17

million of TRU/M Repackaging, which helps to address this issue, and containers are being shipped to commercial repackaging facility.

**Issue:**

CWC lighting failures: CWC complex buildings’ older lighting systems are failing and cannot be replaced with like components.

**Corrective Action:**

Compensatory measures are in place (e.g., employees carrying flashlights). A ROM estimate has been developed for system replacement.

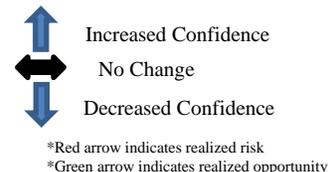
**Status:**

Replacement costs included in current Integrated Priority List reviewed by RL in February were not authorized. An updated Buy Back list was reviewed by RL in May of 2015. Awaiting authorization to proceed.

### RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

-  Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments																
		Month	Trend																	
<b>RL-013/WBS-013</b>																				
<b>Explanation of major changes to the project monthly spotlight chart:</b> In the month of May project conducted internal risk reviews for the WESF ventilation project. As a result realized risk WSD-W130-01 was closed out and re-characterized to better quantify impacts to land disposal requirements, and Class 3 permit modifications. Newly identified risks will be qualitatively analyzed in the month of June.																				
<b>Realized Risks (Risks that are currently impacting project cost/schedule)</b>																				
WSD-125: Multi-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	A pause in waste processing results in an unexpected container degradation within SWOC (excluding TRU Retrieval activities) and require additional resources to respond.  <b>Risk Handling Strategy:</b> Accept  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$5M, 0 day	↔	<b>Risk Event:</b> In November 2011, degraded containers were discovered in CWC.  <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Perform daily/weekly waste container surveillances to identify container abnormalities.</td> <td rowspan="4" style="text-align: center;">10/01/11</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Manage a “watch-list” of waste containers that have shown signs of degradation or are associated with degraded containers.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Overpack degraded waste packages.</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Process waste packages at a rate funded by DOE.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Risk recovery action(s)	Risk Date	FC Date	%	Perform daily/weekly waste container surveillances to identify container abnormalities.	10/01/11	On-Going	N/A	Manage a “watch-list” of waste containers that have shown signs of degradation or are associated with degraded containers.	On-Going	N/A	Overpack degraded waste packages.	On-Going	N/A	Process waste packages at a rate funded by DOE.	On-Going	N/A
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Process waste packages at a rate funded by DOE.		On-Going	N/A																	
WSD-W130-01: WESF Ventilation Upgrade Regulatory Strategy	The risk exists that the Environmental Regulators will not support the planned regulatory strategy and it will be necessary to develop a new strategy that is more difficult to implement.	↔	<b>Recovery Action Assessment:</b> Project continued to perform daily/weekly container surveillances in the month of May to identify container abnormalities. In addition, a NTE of \$400K will be funded separately to overpack an additional 9 m <sup>3</sup> box in FY2015.  No foreseeable impacts in the near future. However; a watch-list of suspect containers is being managed. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.  During the month of May, risk owner updated risk posture based on current project status. It was identified that risk number WSD-W130-01 needed to be closed and re-characterized to better quantify impacts to land disposal requirements and Class 3 permit modifications. Newly added risks will be qualitatively analyzed in the month of June. -																	
<b>Critical Risks (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)</b>																				

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments									
		Month	Trend										
<b>RL-013/WBS-013</b>													
<b>Lifecycle Risk Triggers</b> (Risk could be realized at any point of the project)													
WSD-019: MLLW & TRU Treatment Impacts	MLLW & TRU treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled, resulting in cost impacts. <b>Risk Handling Strategy:</b> Accept  <b>Probability:</b> Low (10% to 25%) <b>Worst Case Impacts:</b> \$10M, 0 day	●	↔	<b>Risk Trigger Metric:</b> Will continue throughout contract (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).</td> <td>On-Going</td> <td>N/A</td> </tr> <tr> <td>Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Mitigation action(s)	FC Date	%	Established multiple treatment contracts for the processing of MLLW and TRU with terms extending to the end of the current CHPRC contract with DOE (i.e., September 30, 2018).	On-Going	N/A	Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A
				Mitigation action(s)	FC Date	%							
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Continue to work with DOE to fund the processing of TRU waste at PFNW at a rate in which keeps them viable (i.e., keeps the doors open).	On-Going	N/A											
<b>Mitigation Assessment:</b> No changes in the month of May. No foreseeable impacts in the near future. Risk will continue to be tracked and monitored throughout the project lifecycle. No alternative course of actions needed at this time.													
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)													
<b>Lifecycle Risk Triggers</b> (Risk could be realized at any point of the project)													
WSD-137: OPP: Planned Efficiencies	Funding profile for the contract period are achieved through efficiencies. <b>Risk Handling Strategy:</b> Exploit  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$48M, 0 day	●	↔	<b>Risk Trigger:</b> Will continue throughout project lifecycle (09/30/2018).									
				<table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Plan work activities and procurements to be as efficient as possible with minimal resources.</td> <td>On-Going</td> <td>N/A</td> </tr> </tbody> </table>	Opportunity action(s)	FC Date	%	Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A			
				Opportunity action(s)	FC Date	%							
Plan work activities and procurements to be as efficient as possible with minimal resources.	On-Going	N/A											
<b>Opportunity Assessment:</b> No slides to the forecasted mitigation dates. The project is continuing implementation of planned efficiencies (approximately \$50 million to date) and forecasts indicate that the efficiencies will continue through the contract period of performance. No foreseeable impacts in the near future, and no alternative course of actions needed at this time. However, emerging issues continue to place pressure on ability to achieve planned efficiencies.													
<b>Unassigned Risks</b> (Pending ownership of identified risks/opportunities)													
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.													
WSD-TR-01: DOE Provided Drivers Not Available	Scheduling issues prevent the government provided Drivers from being assigned/available to make off-site waste shipments.  <b>CHPRC Comment:</b> This a government furnished service and is outside of CHPRC control.												
WSD-TR-02: DOE Shipper Does Not Authorize Shipment	Technical issues associated with compliance to DOE M 460.2-1 prevent DOE from approving/authorizing the off-site shipment.  <b>CHPRC Comment:</b> This a government furnished service and is outside of CHPRC control.												
WSD-003A: CH-TRU Packaging	Two risks exist relative to CH-TRU waste packaging. The first risk is that WIPP changes the packaging requirements for CH-TRU. The second risk is associated with the lack of WIPP-certified packaging for those CH-TRU wastes that are unsuitable for the TRUPACT.  <b>CHPRC Comment:</b> WIPP WAC is not under CHPRC control; TRUPACT is a GFSI.												
WSD-009: EBR-II Cask Retrieval	DOE directs retrieval of EBR-II cask as part of TRU retrieval.  Availability of offsite storage/disposition for the casks as well as changes in the SAS requirements are outside of CHPRC control.												
WSD-016: Safeguards & Security Changes	The risk is that safeguards and security requirement changes result in increased protection of wastes managed by WSD.  <b>CHPRC Comment:</b> Requirements changes dictated by DOE, or regulators are outside CHPRC control.												
WSD-022: IDF Startup	The risk is that the IDF does not startup as scheduled or that the startup requirements are more stringent than planned in the baseline.  <b>CHPRC Comment:</b> Change in planning assumptions are outside CHPRC control.												
WSD-023: ERDF Transition to CHPRC	The Environmental Restoration Disposal Facility (ERDF) transition does not proceed as planned.  <b>CHPRC Comment:</b> The ERDF was not transferred to CHPRC as planned. When transferred, it is virtually certain that the baseline plan for full cost recovery will not be viable and that a change to the CHPRC will be required.												
WSD-026: Cs/Sr Capsule Design Uncertainties	The scope and design of the project to place Cs/Sr capsules into dry storage may change.  <b>CHPRC Comment:</b> Change in planning assumptions are outside CHPRC control.												
WSD-033: WIPP Acceptance of Dose to Curie Calculations	TRU waste volume increases due to dose to curie requirements.  <b>CHPRC Comment:</b> Planning based upon projected contaminant levels based upon historic records; pre-existing condition.												

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-013/WBS-013</b>				
WSD-034: Safeguards Required for Caisson Waste	Wastes retrieved from 200 Area caissons are subject to material protection requirements (Safeguards & Security). <u>CHPRC Comment:</u> SAS requirements are outside CHPRC control.			
WSD-041: Stakeholder Involvement in Cs/Sr Capsules	Stakeholder involvement in the strategies to place Cs/Sr capsules into dry storage impact planned approach or schedule. <u>CHPRC Comment:</u> CHPRC cannot control stakeholder involvement or changes resulting from that involvement.			
WSD-045: Waste Facilities RCRA Permit Changes	RCRA final status permit conditions are more stringent than the interim status permit requirements, resulting in increased operating costs or facility modifications. <u>CHPRC Comment:</u> Requirements changes dictated by DOE, or regulators are outside CHPRC control.			
WSD-051: Standard Waste Box Availability	Standard Waste Boxes (SWB's) are not available to meet TRU waste packaging schedule. <u>CHPRC Comment:</u> This a government furnished service and is outside of CHPRC control.			
WSD-055: RH-TRU Packaging to <100 R/Hr	Selected RH-TRU waste cannot be packaged to meet the WIPP waste acceptance criteria of less than 100 R/Hr. <u>CHPRC Comment:</u> Pre-existing condition; major scope change.			
WSD-058: Receipt of 618-10/618-11 RH-TRU from WCH	RH-TRU waste retrieved by WCH from 618-10 and 618-11 burial grounds is shipped to CHPRC in a form that is either non-certified or non-certifiable. <u>CHPRC Comment:</u> Direction from RL to receive non-certified waste would be a major scope change.			
WSD-059: Uncertified or Uncertifiable CH-TRU from Generators	Uncertified or un-certifiable TRU waste is received from generators. <u>CHPRC Comment:</u> Direction from RL to receive non-certified waste would be a major scope change.			
WSD-061: Spent Fuel in Alpha Caissons	Some alpha caisson waste is determined to be spent nuclear fuel rather than TRU waste. <u>CHPRC Comment:</u> Pre-existing condition.			
WSD-064: TRU Waste Shipments to WIPP	TRU shipments to WIPP do not occur as scheduled. <u>CHPRC Comment:</u> This a government furnished service and WIPP shipping schedules are outside of CHPRC control.			
WSD-067B: Alpha Caissons Regulatory Approvals - unassigned risk	Alpha caisson retrieval and processing is impacted by delayed or revised regulatory documentation and approvals. <u>CHPRC Comment:</u> CHPRC cannot control regulator turnaround times.			
WSD-076: Classified TRU Waste Disposition	WIPP or alternate disposition path not available for classified TRU waste. <u>CHPRC Comment:</u> WIPP acceptance requirements are outside of CHPRC control; pre-existing condition.			
WSD-080: More Restrictive DSA Requirements Imposed at WRAP	RL imposes more restrictive DSA requirements on WRAP. <u>CHPRC Comment:</u> Requirements changes are outside of CHPRC control.			
WSD-083: TRU Retrieval Impacted by Non-CHPRC Issues	TRU retrieval is impacted by issues not controlled by CHPRC. <u>CHPRC Comment:</u> Requirements changes are outside of CHPRC control.			
WSD-088: Accelerated Start of IDF to Support Low Activity Waste Disposal	The IDF will accept waste from both RL and ORP managed contractors. The current baseline plan for initiating disposal operations at the Integrated Disposal Facility (IDF) is FY2018. ORP schedule changes could, however, require the operational readiness to be accelerated to FY2016. <u>CHPRC Comment:</u> Accelerated schedule outside of CHPRC control.			
WSD-090: IDF Startup Impacted by Modeling Prohibition	Modeling to support IDF disposal analyses cannot be performed due to delayed issuance of Final EIS ROD. <u>CHPRC Comment:</u> EIS ROD is outside of CHPRC control.			
WSD-092: IDF Capacity Increase Required for Offsite Waste	Current TPA agreements have led to a prohibition of offsite waste acceptance until at least 2022. Long-term offsite waste acceptance strategies could impact the overall capacity requirements for IDF and result in the need to modify the IDF permit to reflect the other waste streams and planned capacity. <u>CHPRC Comment:</u> No offsite wastes accepted in IDF until at least 2022.			
WSD-096: WIPP Does Not Accept Overpacked Containers in SWBs	Compliant retrieved TRU waste 55 gallon drums over-packed into SWBs are rejected by CBFO as non-compliant waste packages. <u>CHPRC Comment:</u> WIPP acceptance requirements are outside of CHPRC control.			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-013/WBS-013</b>				
<b>WSD-128:DOE Rescinds Previously Authorized Safety Analysis</b>	DOE Rescinds previously agreed upon approvals and waivers associated with open face trench processing for TRU Retrieval. Consequences would be time delays to revise safety basis documents and potentially, an additional training and readiness requirements.  <u>CHPRC Comment:</u> Requirements changes are outside of CHPRC control.			
<b>WSD-129: TRUPACT-III Not Available</b>	Recently, the TRUPACT-III was certified by the NRC for use. However, the TRUPACT-III is still experiencing technical and fabrication difficulties. The TRUPACT-III was placed in service and made 1 shipment from SRS to WIPP. However, during fabrication, a drawing error led to a fabrication error. This has taken the TRUPACT-III out of service for a considerable time (3-6 months). This outage required SRS to size reduce and repackage waste from SLB-II into Standard Waste boxes. The probability is low that these types of problems will continue. The assumption is that these containers will remain a viable option for shipping waste from Hanford in 2017.  <u>CHPRC Comment:</u> This a government furnished service and is outside of CHPRC control.			
<b>WSD-130: Retrieval of Pockets of TRU Waste Results in Significant Volumes of Low-Level Waste</b>	The pockets of TRU waste that was not segregated from MLLW when it was placed in the burial grounds will require removal of the intermingled MLLW in order to demonstrate that the targeted TRU Waste Containers has been retrieved. The baseline assumes retrieval of 69 containers from 8 trenches. This retrieval will result in an additional 6800 containers that would need to be handled. A query of the SWITS database indicates that there are about 6800 containers (approximately 1400 m <sup>3</sup> ) of MLLW that would need to be retrieved. The risk is these 6800 additional containers will need to be processed as newly-generated waste and treated to meet LDR standards prior to re-disposal. This processing is not in the baseline.  <u>CHPRC Comment:</u> Pre-existing condition.			
<b>RCRA-033: RCRA Permit Alters Transfer and Treatment Processes for RSW</b>	The implementation of the Final Status RCRA Permit and associated conditions may change the planned transfers, production throughput and production capabilities assumed within the contract for Retrievably Stored Waste (i.e., RSW and other waste in storage for extended periods accepted under previous waste acceptance programs). This may impact the ability to transfer waste to and within SWOC facilities and impact production rates associated with planned production or capabilities within the various facilities.  <u>CHPRC Comment:</u> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not in the PRC are outside of CHPRC control.			
<b>RCRA-034: Verification of AK For Retrievably Stored Waste</b>	The waste in storage and retrievably stored waste (RSW) will require verification under the RCRA Permit. The Acceptable Knowledge (AK) development process is considered insufficient by Ecology under the permit conditions. All RSW will require verification of absence of free liquids and debris determination. This change may require the waste to undergo nondestructive examination or physical verification/characterization.  <u>CHPRC Comment:</u> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.			
<b>RCRA-036: Risk Budget Tool Implementation</b>	The Final Status RCRA Permit contains permit condition that impose the Risk Budget Tool upon 3 facilities: the Low-Level Burial Grounds (LLBG) Trenches 31/34, LLBG Trench 94, and the Integrated Disposal Facility (IDF). This expands the current RCRA permit requirements of only applying the Risk Budget Tool to IDF. The Risk Budget Tool, is a concept that does not exist in regulation, and was coined when IDF was incorporated into the current permit to be a companion to the DOE Order 435.1 Performance Assessment process that would predict whether waste disposed in a landfill would be modeled to impact groundwater.  <u>CHPRC Comment:</u> Permit requirements are ultimately the responsibility of DOE and its regulators. Changes to the permit which impact operations that are not addressed in the PRC are outside of CHPRC control.			

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	8.3	8.4	7.5	0.2	2.0%	0.9	10.8%

Numbers are rounded to the nearest \$0.1 million

### CM Schedule Performance (+\$0.2M/+2.0 %)

The current month schedule variance is within threshold.



**CM Cost Performance (+\$0.9M/+10.8 %)**

The current period favorable cost variance is due to the continued implementation of planned efficiencies, partially offset by additional CHPRC and design contract resources necessary to resolve extensive comment resolution and incorporation for the WESF Ventilation and Stabilization final design.

### 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	946.0	946.9	897.3	0.9	0.1%	49.6	5.2%	1,359.3	1,283.5	75.8

Numbers are rounded to the nearest \$0.1 million

**CTD Schedule Performance (+\$0.9M/+0.1 %)**

The schedule variance is within threshold.

**CTD Cost Performance (+\$49.6M/+5.2 %)**

The favorable cost variance is due to the continued implementation of planned efficiencies.

**Variance at Completion (+\$75.8M/+5.6 %)**

The Variance at Completion is due to continued implementation of planned efficiencies.

Contract Performance Report Formats are provided in Appendix A.

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

WBS 013/RL-0013 Waste and Fuels Management Project	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0013	101.5	91.7	9.8

Numbers are rounded to the nearest \$0.1 million.

**Funds/Variance Analysis**

FY2015 projected funding for PBS RL-0013 is unchanged from the prior month. The FY2015 Spending Forecast change from the prior month is essentially unchanged and remains at \$91.7 million.

**Critical Path Schedule**

Critical path analysis can be provided upon request.

**Baseline Change Requests**

BCR-013-15-008R0 - RCRA Waste Management

BCR-013-15-012R0 - Move ETF Rate Impacts to Undistributed Budget

BCRA-PRC-15-034R0 - Base Year Shift in Support of FY2016 Annual Update

BCRA-PRC-15-038R0 - HPIC Updates May 2015

## 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.

Number	Title	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-031	Submit revision of TRUM Waste and MLLW PMP to Ecology	6/30/15		6/30/15	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)

Contract Section	Project	GFS/I	Status
<b>CONTRACT</b>			
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)



**K. L. Wiemelt**  
Vice President and  
Project Manager for  
Soil and Groundwater  
Remediation Project

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

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

Pump-and-Treat (P&T) Operations continued making progress on the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)* remedial process documentation for the River Corridor and Central Plateau. Groundwater treatment and well drilling completed in May 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	33.7	242.8	6.9	64.7	-	-	-	-	-	-
HX P&T	23.1	202.7	1.8	15.1	-	-	-	-	-	-
KR-4 P&T	15.0	113.1	0.4	3.0	-	-	-	-	-	-
KW P&T	14.4	112.8	1.6	19.0	-	-	-	-	-	-
KX P&T	35.0	262.3	2.4	20.4	-	-	-	-	-	-
200 West P&T	83.7	652.3	7.3	52.3	225	1,965	6,179	46,998	.12x10 <sup>12</sup>	.95x10 <sup>12</sup>
<b>Combined</b>	<b>204.9</b>	<b>1,586</b>	<b>20.4</b>	<b>174.6</b>	<b>225</b>	<b>1,965</b>	<b>6,179</b>	<b>46,998</b>	<b>.12x10<sup>12</sup></b>	<b>.95x10<sup>12</sup></b>

Well Drilling by Area	FY2015 Planned	May	FY2015 Cumulative
100-KR-4	5	-	5
100-HR-3	12	3	9
NRDWL/SWL	4	-	-
200-UP-1	5	1	2
200-ZP-1	7	-	2
M-24	19	3	8
300-FF-5	34	-	3
DVZ URG TT	6	-	-
<b>Total Wells</b>	<b>92</b>	<b>7</b>	<b>29</b>

## EMS Objectives and Target Status

Objective	Target	Actions	Due Date	Status	Overall Target Status
15-EMS-SGWR-OB1 Reduce toxic air emissions at the 200 West P&T Facility	T1 – Implement one measure to reduce toxic air emissions (namely carbon tetrachloride) at the 200 West P&T Facility	Apply heat tracing and insulation to reduce condensation in the GAC containers during the colder months.	12/31/14	100%	82%
		Evaluate carbon tetrachloride emissions by compiling an annual emissions summary for FY2015.	9/30/15	64%	
15-SGWR-EMS-OB2 More effective promotion of EMS	T1 – Promote and increase S&GRP project personnel EMS awareness via various means throughout FY2015.	Present at least five EMS topics to S&GRP personnel on a minimum of five different occasions.	9/30/15	80%	80%
		Provide a discussion of at least five different EMS topics to be communicated to S&GRP personnel through the “S&GRP Daily Communications”.	9/30/15	80%	
	T2 – Promote and increase S&GRP drilling subcontractor personnel EMS awareness via direct communication (i.e., during subcontractor/S&GRP meetings).	Discuss EMS topics with drilling subcontractor personnel, on a minimum of five different occasions with different topics at each session.	9/30/15	40%	40%
14-SGWR-EMS-OB3 Increased awareness of Universal Waste requirements	T1 – Promote and increase S&GRP project personnel awareness of Universal Waste requirements via direct communication with S&GRP personnel throughout FY2015.	On a quarterly basis provide focused universal waste training sessions.	9/30/15	50%	75%
		Conduct at least two walk downs of S&GRP universal waste collection areas to review compliance.	9/30/15	100%	

## TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	1	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	5	30*	<p>5/7/2015 – While exiting the building, an employee’s foot caught a brick laying outside the door causing them to lurch forward and hyperextend their foot. Low level pain in their back, knee, and ankle were experienced while walking. HPMC provided with ice and compression bandages, if needed. Employee was released to return to work without restriction. (23662)</p> <p>5/7/2015 – Employee reported having been bit by an insect the previous day. Visited HPMC and was released to return to work without restriction. (23663)</p> <p>5/19/2015 – Employees smelled and tasted chemicals in the air during an outdoor activity and stopped the work. One of the employees reported a headache and nausea but the pain subsided after ten minutes with fresh air. After reporting to HPMC the employee was released to return to work without restriction. (23684) PTS</p> <p>5/19/2015 – While conducting activities outside, an employee stated that they smelled and tasted chemicals and their eyes began to water. Employees on this job were directed to leave the area. The employee was taken to HPMC for evaluation and released to return to work without restriction. (23683) PTS</p> <p>5/26/2015 - Employee reported having something in their eye the previous day. The employee was taken to HPMC and nothing was found in the eye. The eye was flushed and the employee was returned to work without restriction. (23690)</p> <p>*3 FA case, PTS in support of RL-0030.</p>
Near-Misses	0	1	N/A

## KEY ACCOMPLISHMENTS

### RL-0030.O1 RL 30 Operations

#### RL 30 Integration & Assessments

##### Risk Assessment and Modeling Integration

- Briefed RL and ORP on CHPRC’s site wide modeling strategy on May 18, 2015. Received request for a second briefing to this group on the composite analysis update planning.

##### Environmental Data Integration

- Released a new version of Sample Data Tracking (SDT) software on May 20, 2015. The release includes a significant number of upgrades.

**River Corridor****100-HR-3 Operable Unit**

- Completed construction and development of three wells in May. This completes nine of the 12 wells proposed for installation in the 100-HR-3 area.

**100-FR-3 Operable Unit**

- Received comments from EPA on the Draft A RDR/RAWP on May 6, 2015, and provided initial response to comments on May 12, 2015.
- Initiated cultural clearance for well installations associated with remedial action on May 18, 2015.

**100-BC-5 Operable Unit**

- Completed aquifer tube sampling, both vertical profile and hyporheic zone, during May 14 through May 19, 2015.

**100-NR-2 Operable Unit**

- Continued comment resolution with Ecology on the Draft A 100-NR-2 RI/FS, which has progressed to Chapter 7 of the RI and Chapter 8 of the FS.
- The 1301 and 1325 TSD summary reports are with RL for legal review and informal transmittal to Ecology. A path forward for closure of all four of the TSD facilities has been defined and agreed to by Ecology and these documents will facilitate the closure process.

**300-FF-5 Operable Unit**

- Completed Draft A 300-FF-5 OU Remedy Implementation SAP updates based on RL review; submitted document to RL for clearance.
- Incorporated the RL and EPA updates to the draft Rev 0 RDR/RAWP provided on May 19, 2015; re-submitted the two documents for clearance and RL/EPA signatures.
- Completed supplemental post-ROD field investigation report updates based on CHPRC review; submitted to RL.
- Conducted engineering and operations project meeting on May 20, 2015; discussed integration points associated with Stage A implementation.

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

- Conducted RCRA/CERCLA integration workshop with Ecology on May 7, 2015; updated Chapter 1 and Chapter 5 relevant text and provided to RL for review on May 14, 2015.
- Initiated Environmental Setting (Chapter 2) and Initial Evaluations (Chapter 3) text updates.
- Provided 200-IS-1 catch tank summary analysis (26 waste sites) to RL project team and legal counsel in support of June 4, 2015, TSD definition meeting with Ecology.

**200-SW-2 Operable Unit**

- Conducted Draft B RI/FS work plan draft comment review discussion with RL and Ecology on May 21, 2015; anticipated receiving formal Ecology comments on May 26, 2015.

**200-BP-5 Operable Unit**

- Completed all road crossing construction work for construction of the two cross site transfer lines.
- Continued dual-walled HDPE welding (~6,000 ft. welded).
- Issued the Rev 2 Treatability Test Plan
- Completed the Draft A 200 West Pump-and-Treat Operations and Maintenance Plan, Revision 4, for EPA review.

**200-UP-1 Operable Unit**

- Received RL comments on the Decisional Draft 200-UP-1 Performance Monitoring Plan on May 11, 2015 and completed comment disposition with RL on May 27, 2015.
- Initiated I-129 injection well drilling and associated well road construction

**200-PW-1/3/6 & 200-CW-5 RDR/RAWP**

- Completed internal review of the RDR/RAWP and progressing with comment resolution.

**207-A South Retention Basin Closure Plan**

- Completed PRC, RL, and Ecology review of the closure plan and progressing with comment resolution.

**200 West P&T**

- Achieved an average pumping rate of approximately 1,868 gpm for May
- Maintained effluent concentrations below cleanup levels specified in ROD
- Completed connection and operational testing of injection well YJ08 (299-W18-41)

**100 Area P&Ts**

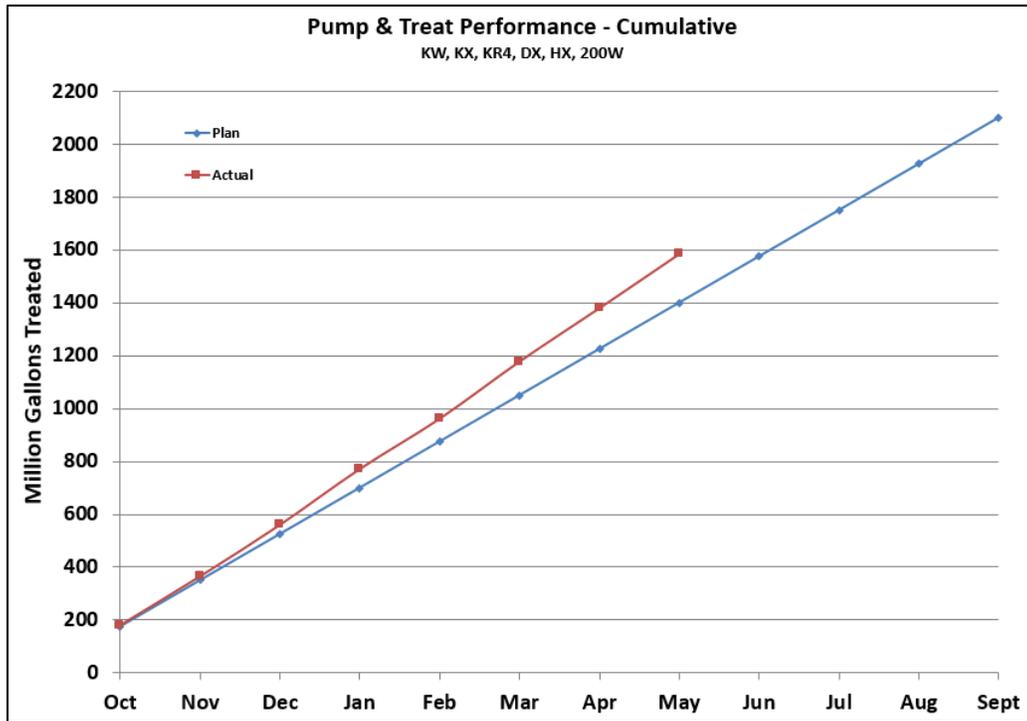
- Continued to operate KW P&T above 320 gpm, which exceeds the original design capacity of 200 gpm.
- Continued to operate KX P&T above 780 gpm, which exceeds the original facility design capacity of 600 gpm.
- Continued to operate the KR-4 P&T near 340 gpm, which exceeds original design capacity of 300 gpm.
- Operated the DX P&T above 750 gpm, which exceeds the original design capacity of 600 gpm.
- HX continuing operations while executing construction activities associated with the P&T optimization plan.

**200-DV-1 Operable Unit**

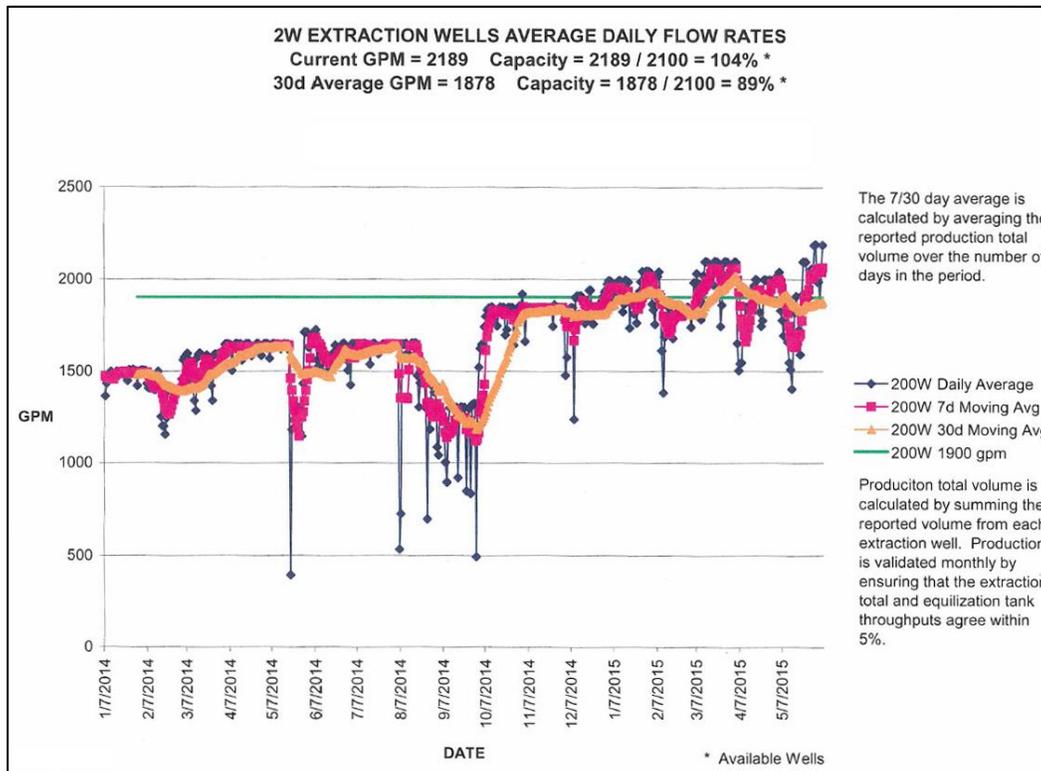
- Received RL comments on the removal action work plan on May 21, 2015, and initiated comment resolution.
- A drilling subcontract has been awarded for 200-DV-1 characterization field work. Mobilization is scheduled for June 2015.
- The B Area perched water extraction system removed 6,840 gallons in May to bring the total volume of perched water removed to 283,813 gallons since initiating operations on August 30, 2011. The following quantities of contaminants were removed for the month of May:

Contaminant	May	Cumulative (since startup)
Tc-99	0.53 E-03 Ci	33.78 E-03 Ci
Uranium	2.9 kg	63.6 kg
Nitrates	9.1 kg	541.3 kg

### FY2015 P&T Operations



### 200 West Pump-and-Treat



## MAJOR ISSUES

**Issue** – The 100-NR-2 field work will be delayed due to the Section 106 Cultural Resource Review (CRR) and approval process associated with the Traditional Cultural Property (TCP). This issue impacted performance of the 100-NR-2 apatite barrier in FY2014, and now is causing an impact to the FY2015 scope associated with installation of the six new M-24 Milestone monitoring wells and D&D of the P&T facility.

**Corrective Action** – Develop and implement an approach for preparing the CRRs and conducting the associated Memorandum of Agreement (MOA) workshops to allow more rapid completion of the MOA process so field work can be performed within the TCP. However, with the RL prioritization of CRRs, it is most likely this work will be completed in FY2016.

**Status** – RL, MSA, CHPRC and all four tribes held three workshops to prepare the MOA for the monitoring wells at 100-N. Based upon the results of these workshops, a draft MOA was prepared and provided to RL on May 14, 2015 for transmittal to the tribes. The 30-day review of the CRR for D&D of the inactive pump-and-treat facility completed on May 12, 2015. The revised CRR was provided to RL by the end of May. A draft MOA has been prepared and is ready to be discussed with the tribes during the upcoming workshops. Scheduling of these workshops with the tribes is dependent upon RL's priority.

**Issue** – Experiencing regulatory agency delays in the approval of decision documents, such as Ecology's legal review of the 100-D/H Proposed Plan (DOE/RL-2011-111), extended comment resolution on the 100-N RI/FS report (DOE/RL-2012-15, Draft A), EPA's approval of the 300 Area RDR/RAWP (DOE/RL-2014-13), and Ecology's approval of the 200-IS-1 TPA change packages (C-013-01 and C-014-02), which affect the 200-IS-1 RI/FS Work Plan (DOE/RL-2010-114) scope definition.

**Corrective Action** – Maintain visibility on the delays to senior management. RL/CHPRC to continue working with the regulatory agencies to facilitate completion of these documents. Submit Notice of Change letters to RL as contract activities are impacted.

**Status** – Delays in completion of the decision documents are reported weekly to RL management and monthly to RL, EPA, and Ecology senior management. RL and CHPRC continued to work with the regulatory agencies at the project level in making progress. Significant accomplishment this month includes EPA's approval of the 300 Area RDR/RAWP. In addition, meetings are planned early next month with Ecology legal to help resolve long-standing issues with 200-IS-1 RI/FS Work Plan.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

-  Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
  -  No Change
  -  Decreased Confidence
- \*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments													
		Month	Trend														
<b>RL-030/WBS-030</b>																	
<b>Explanation of major changes to the project monthly spotlight chart:</b> No major changes to the risk profile for the month of May.																	
<b>Realized Risks (Risks that are currently impacting project cost/schedule)</b>																	
SGW-008: Regulatory Documents Result in Significant Comments from Regulators	Significant comments from the regulators or RL on documents submitted for approval (SAPs, RI/FS Work Plans, Proposed Plans, permits) could result in increased schedule and labor requirements. If the comments require additional characterization data, schedule impacts and increased costs could also be incurred to collect the characterization data. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$1.5M, 500 days		<b>Risk Event:</b> Progress on several key decision documents have been delayed due to regulator comments and resource availability: <ul style="list-style-type: none"> <li>The draft Rev 0 100-D/H PP was provided to Ecology in September 2014 for legal review. EPA's Remedy Review Board (RRB) then began on January 26, 2015, whose comments were received by CHPRC on April 30, 2015. Additional technical reviews by Ecology have been performed; however, Ecology's legal review has not begun. Following Ecology's legal review, the PP will be reviewed by EPA's legal. These sequential reviews will impact the schedule by eight months to a year.</li> <li>The Draft A 100-N RI/FS and Proposed Plan were provided to Ecology on June 24, 2013, completing Milestone M-015-75. Comments were received on October 2, 2013. Comment resolution has continued, which includes weekly meetings to resolve comments chapter by chapter and preparation of several technical position papers. The team has progressed up to Chapter 8. However, Ecology submitted 104 additional comments on the revised Chapter 6, "Risk Assessment", on May 21, 2015. This chapter had a major revision based on adding 92 new waste sites to the RI/FS.</li> <li>200-IS-1 RI/FS Work Plan: DOE invoked dispute resolution on December 10, 2013 for TPA milestone M-015-112, Submit Draft B 200-IS-1 OU RI/FS WP. Resolution of this dispute, which includes the 200-IS-1 OU waste sites and TSD/past practice status, is required before the Draft B RI/FS WP can be submitted.</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Resolution with Ecology on Draft Rev.0 100-D/H PP.</td> <td rowspan="3" style="text-align: center;">04/30/15</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Resolution with Ecology on Draft A 100-N RI/FS Report.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">25</td> </tr> <tr> <td>Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.</td> <td style="text-align: center;">09/30/15</td> <td style="text-align: center;">50</td> </tr> </tbody> </table> <b>Recovery Action Assessment:</b> <ul style="list-style-type: none"> <li>100-D/H PP: Working with RL/Ecology to verify that legal review has not begun and if so, how to shorten review and/or do concurrent legal reviews.</li> <li>100-N RI/FS: Comment resolution with Ecology on the Draft A 100-N RI/FS Report has progressed through most of the RI (Chapter 6 being discussed on May 11, 2015) and we have progressed work on Chapter 8 of the FS to about 50% complete. All but two of the four technical position papers (five separate papers on five topics) that were submitted to Ecology in March 2014 to resolve significant comments on the FS have now been reviewed (phyto-remediation and surface barrier have not been discussed). A revised project delivery schedule has been created using the extension from Ecology to September 30, 2015 as the basis to complete comment resolution and that schedule has been drafted and sent to RL for review. The revised schedule calls for the RI/FS to be complete on September 30, 2015. No alternative course of actions needed at this time.</li> <li>200-IS-1 RI/FS WP: Ecology is unwilling to sign TPA change packages C-13-01 and C-14-02 until all TSDs are clearly identified. These change packages add 233 waste sites into 200 IS-1 Appendix C. Ecology shared their TSD/past practice resolution proposal on April 22, 2015. Additional discussions focused on tanks with liquids remaining following the August 1987 date are necessary with Ecology and RL legal counsels. This meeting was planned for May 21, 2015; it has since been moved to June 4, 2015, due to Ecology's legal counsel availability and staffing changes. Due to this change, the dispute resolution will require another extension (anticipate extension to September 30, 2015). The CHPRC project team continues Work Plan preparation efforts based on the scope identified in the two draft change packages (FES Activity 30.31.3.7.DR).</li> </ul>	Risk recovery action(s)	Risk Date	FC Date	%	Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50	Resolution with Ecology on Draft A 100-N RI/FS Report.	09/30/15	25	Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.	09/30/15	50
Risk recovery action(s)	Risk Date	FC Date	%														
Resolution with Ecology on Draft Rev.0 100-D/H PP.	04/30/15	09/30/15	50														
Resolution with Ecology on Draft A 100-N RI/FS Report.		09/30/15	25														
Complete waste site scope definition and dispute resolution with Ecology on Draft B 200-IS-1 RI/FS.		09/30/15	50														

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments															
		Month	Trend																
<b>RL-030/WBS-030</b>																			
SGW-004: Cultural Resource Reviews	Cultural and ecological resource reviews impact start of well drilling, well decommissioning, well realignment, or remediation system construction and realignment. However, results and significant delays for historical and archeological reviews may be beyond the scope of CHPRC risk. <b>Risk Handling Strategy:</b> Accept  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$150K, 198 days			<p><b>Risk Event:</b> Delays in approval of the cultural resource documents for the six new wells and D&amp;D of the inactive pump-and-treat facility at 100-N will impact implementation of FY2015 field work.</p> <table border="1"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Interface with Tribes at monthly cultural resource meeting.</td> <td rowspan="2">11/04/14</td> <td>09/30/18</td> <td>15</td> </tr> <tr> <td>Interface with MSA during bi-weekly meetings.</td> <td>09/30/18</td> <td>15</td> </tr> <tr> <td>Conduct workshop to define the mitigation actions for the 100-N MOAs.</td> <td></td> <td>Complete</td> <td>100</td> </tr> </tbody> </table> <p><b>Recovery Action Assessment:</b> The CRR for adding six monitoring wells at 100-N is complete. The related Memorandum of Agreement (MOA) mitigation measures have been negotiated and the draft MOA provided to RL for transmittal to the Tribes. The D&amp;D project MOA has been drafted, but the MOA workshops themselves have not started due to higher priority projects being negotiated. It is anticipated that the MOA workshops for the D&amp;D will begin in June, depending on RL's priorities. It is likely that the field work will not occur in FY2015 for D&amp;D, but could possibly begin for the six new wells. No alternative course of actions needed at this time.</p>	Risk recovery action(s)	Risk Date	FC Date	%	Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	15	Interface with MSA during bi-weekly meetings.	09/30/18	15	Conduct workshop to define the mitigation actions for the 100-N MOAs.		Complete	100
Risk recovery action(s)	Risk Date	FC Date	%																
Interface with Tribes at monthly cultural resource meeting.	11/04/14	09/30/18	15																
Interface with MSA during bi-weekly meetings.		09/30/18	15																
Conduct workshop to define the mitigation actions for the 100-N MOAs.		Complete	100																
OPPORTUNITY: SGW-007A: Sampling Requirement Reduction	Reduction in field sampling (locations, frequency, or total number of samples collected) has the opportunity to reduce cost. <b>Risk Handling Strategy:</b> Exploit  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$3M, 0 day			<p><b>Opportunity Event:</b> The <i>Optimization Plan to Revise the Groundwater Sampling Plan</i> is final and provides the roadmap to revise all groundwater SAPs over the next two years.</p> <table border="1"> <thead> <tr> <th>Opportunity action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Develop schedule for completing DOE-RL Panel Review on the SAPs.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Obtain Agency approval of the revised SAP.</td> <td>09/30/15</td> <td>58</td> </tr> </tbody> </table> <p><b>Opportunity Assessment:</b> All CERCLA SAPs have completed review by the DOE-RL Panel Review, with the revised SAPs on schedule to be completed this FY. An approach has been developed to revise the RCRA groundwater monitoring plans and is being implemented with the support of RL and Ecology. The current schedule has the RCRA groundwater monitoring plans being completed in FY 2015. This opportunity will be realized following Agency approval of the revised SAP. No foreseeable impacts to implement this opportunity in the near future, and no alternative course of actions needed at this time.</p>	Opportunity action(s)	FC Date	%	Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100	Obtain Agency approval of the revised SAP.	09/30/15	58						
Opportunity action(s)	FC Date	%																	
Develop schedule for completing DOE-RL Panel Review on the SAPs.	Complete	100																	
Obtain Agency approval of the revised SAP.	09/30/15	58																	
<b>Critical Risks</b> (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																			
<b>Lifecycle Risk Triggers</b> (Risk could be realized at any point of the project)																			
SGW-UP1-10: 200-UP1 Uranium/Iodine 129 Expansion Remedy Startup	The 200 West P&T bioremediation system does not operate as expected, requiring increased engineering, startup, operational test and operational procedure change support. <b>Risk Handling Strategy:</b> Control  <b>Probability:</b> Medium (26% to 74%) <b>Worst Case Impacts:</b> \$750K, 40 days			<p><b>Risk Trigger:</b> Will continue throughout project lifecycle (9/30/2015)</p> <table border="1"> <thead> <tr> <th>Mitigation action(s)</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Obtain operations and engineering input on the operating system controls to standardize the use for other pump-and-treat systems</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.</td> <td>Complete</td> <td>100</td> </tr> <tr> <td>Complete OTP</td> <td>07/30/15</td> <td>0</td> </tr> </tbody> </table> <p><b>Mitigation Assessment:</b> No slides to the forecasted mitigation dates. Uranium treatment system design is complete and construction is underway, and is scheduled to be completed by late July 2015. CAT/ATPs have been prepared. A uranium resin evaluation has been completed by the corporate Groundwater expert, which confirmed proper selection of resin type. Preparation of the OTP was initiated in March 2015. No foreseeable impacts in the near future, and no alternative course of actions needed at this time.</p>	Mitigation action(s)	FC Date	%	Obtain operations and engineering input on the operating system controls to standardize the use for other pump-and-treat systems	Complete	100	Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.	Complete	100	Complete OTP	07/30/15	0			
Mitigation action(s)	FC Date	%																	
Obtain operations and engineering input on the operating system controls to standardize the use for other pump-and-treat systems	Complete	100																	
Resident engineer from corporate to support startup and testing of the new process equipment. Initiate preparation of OTP early.	Complete	100																	
Complete OTP	07/30/15	0																	
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)																			
No high threat value risks identified in the month of <b>May</b> .																			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-030/WBS-030</b>				
<b>Unassigned Risks (Pending ownership of identified risks/opportunities)</b>				
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
SGW-002:RL or Regulator Personnel Changes	Regulatory interpretations, agreements, and strategies are developed and worked through assigned RL, EPA, and Ecology staff. A change to the personnel assignments in any of the three agencies could require the interpretations, agreements, or strategies to be revisited or modified with corresponding delays to planned soil and groundwater remediation actions.  <i>CHPRC Comment:</i> RL, EPA, and Ecology staffing and project assignment are outside CHPRC's control.			
SGW-009:Regulatory Document Priorities Change	<i>CHPRC Comment:</i> In the month of May DOE-RL reviewed SGW-009, and identified that this risk is previously capture in RL register, multiple risk IDs under Risk Title "Documents review/approval delayed". This risk will be closed out of CHPRC's risk database, and will no longer be reported on.			
SGW-045:Regulator Comments Change Requirements	Documents are provided to the regulators for review as part of the remedial action decision process. The regulators could provide comments on the documents that effectively change the requirements from what was envisioned, causing an increase in scope or costs.  <i>CHPRC Comment:</i> Regulatory decision documents are based upon established regulatory requirements. However, these requirements may be modified by DOE during negotiations with EPA and Ecology to finalize the decision documents. These decisions and subsequent impacts are outside CHPRC's control.			
SGW-099:ERDF Impacts on 200 West P&T Waste Disposition	ERDF cannot accept waste products from 200 West P&T or River Corridor P&T facilities due to disposal criteria.  <i>CHPRC Comment:</i> DOE-HQ is the only party that can approve a new rad disposal path.			

## 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	13.3	12.4	10.2	(0.8)	-6.3%	2.2	18%

Numbers are rounded to the nearest \$0.1 million.

#### CM Schedule Performance (-\$0.8M/-6.3 %)

The negative schedule variance resulted from the following:

- Mobilization delays being experienced by the TW-1/2 OU Characterization driller because of their sonic drill rig being tied up on an earlier project that has encountered difficulties
- Minor delays in pipe deliveries and to the 200-BP-5 Treatability Test pipe installation contractor not reaching the planned number of pipe welds per day. A number of factors have contributed to slower-than-planned progress: pipe welding crew has lost labor resources and found it difficult to replace those workers; in May the project was using one crew as compared to the two crews that were planned; work stopped several days due to safety concerns (has since resumed); and the length of time needed to stage pipe has negatively impacted welding output.
- The negative CM SV is offset by favorable trends being experienced at the 100-HR-3 Operable Unit due to acceleration of well realignments to increase the volume of processed groundwater through the pump-and-treat systems as identified in the FY2015 Optimization Plan and definitization of Change order #264, 200-UP-1 Rad Building Modification, implemented in May. The positive schedule variance represents work accomplished in prior months that could not be earned until the baseline change request was implemented.

**CM Cost Performance (+\$2.2M/+18 %)**

The positive cost variance resulted from the following:

- Closure of the onsite WSCF Laboratory and the subsequent use of offsite laboratories has resulted in analytical costs significantly lower than budgeted.
- \$510K of dual wall HDPE piping materials purchased for the 200-BP-5 pipe installation were received (and earned); however, the actual cost did not hit in May. In addition, the labor cost per weld for pipe installation has been lower than the project budgeted. This is attributed to the craft mix of the current welding crew having lower charge out rates and higher productivity rates as compared to the budgeted value based on recent installation experience.
- Change order #264, *200-UP-1 Rad Building Modification*, was definitized and implemented in May. The positive cost variance represents work accomplished in prior months that was not in the baseline, so could not be earned until baseline change request implementation.
- The project continues to see a favorable cost variance due to the program requiring fewer leased vehicles, fuel, inspection, maintenance and report work than originally planned.
- The 100-D/H and 100K pump-and-treat plant operations progressed very smoothly this month resulting in less labor and materials needed for maintenance activities than planned. During this month, plant engineers and supervisors provided support to the 100-HR-3 well realignment activities.

### 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	1,100.1	1,095.4	1,077.6	(4.8)	-0.4%	17.8	1.6%	1,546.0	1,505.4	40.5

Numbers are rounded to the nearest \$0.1 million.

**CTD Schedule Performance (-\$4.8M/-0.4 %)**

Variance is within reporting thresholds.

**CTD Cost Performance (+\$17.8M/+1.6 %)**

Variance is within reporting thresholds.

**Variance at Completion (+\$40.5/+2.6 %)**

Variance is within reporting thresholds.

**Contract Performance Report Formats are provided in Appendix A.**

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

RL-0030 Soil and Groundwater Remediation	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0030	137.5	135.9	1.5

Numbers are rounded to the nearest \$0.1 million.

### Funds/Variance Analysis

RL-0030 project funding is \$137.5 million for FY2015. The Spend Forecast is essentially unchanged from the prior month and remains at \$135.9 million.

### Critical Path Schedule

Critical path analysis can be provided upon request.

### Baseline Change Requests

BCR-PRC-15-035R0 - *Definitization of CO #261, Definitization of CO #261, Design-Construct Unloading Station & Transfer Tank*

BCR-PRC-15-036R0 - *Definitization of CO #264, 200-UP-1 Rad Building Modification*

BCR-PRC-15-037R0 - *Undistributed Budget Adjustments May 2015*

**FY2015 Management Reserve (Funded):** \$1.75 million

No FY2015 Management Reserve was used during May. \$832K remains in FY2015 Management Reserve.

## MILESTONE STATUS

Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) 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. TPA Milestone M-015, M-016, M-037 and M-085 series are in negotiation. Negotiations have been extended to July 29, 2015. 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-091-40L-046	PMM submittal Jan-Mar 2nd Qtr. FY2015 Burial Ground Sample Results	TPA	6/15/15	5/28/15		Complete
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		TBD	Dispute resolution was extended to September 30, 2015. Awaiting Ecology review of two change packages associated with scope (impacted by requirement

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
						to identify TSDs).
M-015-21A	Submit 200-BP-5 & 200-PO-1 OU FS Report and PP(s) to Ecology	TPA	6/30/15		6/28/16	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-21A is to be missed.
M-015-92A	Submit RFI/CMS & RI/FS Work Plan for 200-EA-1 OU to Ecology	TPA	6/30/15		5/13/20	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-92A is to be missed.
M-024-66-T01	Conclude Discussions of Well Commitments	TPA	8/1/15		8/1/15	On schedule
M-091-40L-047	PMM submittal Apr-June 3rd Qtr. FY2015 Burial Ground Sample Results	TPA	9/15/15		9/15/15	On schedule
M-015-110B	Submit CMS & FS & PP/Proposed CA Decision for 200-DV-1 OU to Ecology	TPA	9/30/15		6/24/19	To be missed. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-110B is to be missed.
M-016-125	Submit a RD/RAWP for 200-CW-5 and 200-PW-1/3/6 to EPA	TPA	9/30/15		9/14/15	On schedule
M-016-190	Complete installation of extraction and injection wells for U Plant area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	9/30/15		9/30/15	On schedule
M-085-02	Submit a change package to establish a schedule for submittal of the RI/FS Work Plans for the 200-CB-1, 200-CP-1, and 200-CR-1 Operable Units and a schedule for submittal of the Removal Action Work Plans for 224B and 224T Plutonium Concentration Facilities	TPA	9/30/15		9/30/15	On schedule
M-015-38B	Submit Revised FS Report and PP for CW-1, CW-3, & OA-1 to EPA	TPA	10/30/15		10/30/15	On schedule. The milestone was changed to require a schedule for completing the revised FS report and PP for CW-1, CW-3, & OA-1 to EPA
M-091-40L-048	Submit July to Sept. 4th Quarter FY2015 Burial Ground Sample Results.	TPA	12/15/15		12/15/15	On schedule

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-015-91B	Submit FS Report and PP for 200-WA-1 to EPA	TPA	12/31/15		3/27/18	To be missed. The scope was not funded in FY2014 or FY2015, nor has the RI/FS work plan been approved. The milestone date will be revised based on the issuance of the Rev 0 work plan. Letter CHPRC-1500938 submitted to notify DOE-RL that M-015-91B is to be missed.
M-016-110-T05	Implement System to Meet Drinking Water Stds. for U at 300-FF-5 OU	TPA	12/31/15		6/11/15	Ahead of schedule
M-024-66	DOE shall complete the construction of all wells listed for CY2015	TPA	12/31/15		7/29/15	Ahead of schedule
M-015-78	Complete two years of groundwater and aquifer tube sampling at the 100-BC expanded monitoring network in accordance with the revised 100-BC-1,2 and 5 RI/FS Work Plan/SAP	TPA	2/28/16		2/24/16	On schedule
M-091-40L-049	Submit Oct. to Dec. 1st Quarter FY2016 Burial Ground Sample Results.	TPA	3/15/16		3/15/16	On schedule
M-016-191	Complete acceptance test procedures and operational test procedures and initiate startup operations for the U Plan area P&T for uranium and tech-99, and Iodine-129 hydraulic containment system	TPA	3/30/16		3/30/16	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)



**R. M. Geimer**  
Vice President for  
Sludge Treatment Project  
(STP)

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The inactive Central Plateau facilities and Radiation Areas Remedial Action (RARA) sites continue to be compliantly maintained in a low-cost surveillance and maintenance condition. The project performed Waste Information Data System (WIDS) waste site housekeeping and conducted radiological facility surveillances and preventive maintenance (PM) activities. In addition, the project completed Plutonium Uranium Extraction Plant (PUREX) Annual Surveillance.

## EMS Objectives and Target Status

None currently identified.

## 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

- Operations/Maintenance
  - o Performed Waste Information Data System (WIDS) waste site housekeeping (tumbleweed removal, corrected posting issues)
  - o Conducted post-job and post-job as low as reasonably achievable (ALARA) review for B-Plant air cleanup train (ACT) pre-filter change
  - o Completed repairs to Sodium Storage Facility by filling gap in wall seam
  - o Supported Clean Sweep Environmental Assessment
- Completed:
  - o Plutonium Uranium Extraction Plant (PUREX) Annual Surveillance
  - o Presumed Asbestos-Containing Material (PACM) WIDS sites surveillance
  - o 65 radiological facility surveillances
  - o 30 preventive maintenance (PM) activities

## MAJOR ISSUES

None currently identified.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**



Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.  
 Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.  
 Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery



Increased Confidence  
 No Change  
 Decreased Confidence

\*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments														
		Month	Trend															
<b>RL-040/WBS-040</b>																		
<b>Explanation of major changes to the project monthly spotlight chart:</b> No major changes to the risk profile for the month of <b>May</b> .																		
<b>Realized Risks</b> (Risks that are currently impacting project cost/schedule)																		
D4-064: Aging Building Systems/Component	Problems with aging building systems/components (e.g., roofing/structures, etc.) result in inoperability or requires unscheduled maintenance/outages, resulting in cost impacts. <b>Risk Handling Strategy:</b> Accept  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$3.5M, 0 day	↑		<b>Risk Event:</b> During a routine, non-scheduled inspection the PUREX stack monitoring probe broke, resulting in temporary repairs to the stack sampling probe. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Risk recovery action(s)</th> <th>Risk Date</th> <th>FC Date</th> <th>%</th> </tr> </thead> <tbody> <tr> <td>Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.</td> <td rowspan="3" style="text-align: center;">03/10/15</td> <td style="text-align: center;">Complete</td> <td style="text-align: center;">100</td> </tr> <tr> <td>Procure replacement probe.</td> <td style="text-align: center;">05/31/15</td> <td style="text-align: center;">75</td> </tr> <tr> <td>Develop white-paper and communicate to DOE on proposed repairs/upgrades</td> <td style="text-align: center;">06/30/15</td> <td style="text-align: center;">5</td> </tr> </tbody> </table> <b>Recovery Action Assessment:</b> Procurement of the stack monitoring probe was placed in April and was expected to arrive late-May. This part will be placed in spares to mitigate future consequences should this event occur again. CHPRC has a draft white-paper developed and is currently going through internal review cycles prior to communicating to DOE-RL on proposed repairs/upgrades. Risk recovery actions are on schedule with no secondary concerns or alternative course of actions at this time.	Risk recovery action(s)	Risk Date	FC Date	%	Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.	03/10/15	Complete	100	Procure replacement probe.	05/31/15	75	Develop white-paper and communicate to DOE on proposed repairs/upgrades	06/30/15	5
Risk recovery action(s)	Risk Date	FC Date	%															
Temporary repair on the PUREX stack sample probe flange and re-establish continuous monitoring.	03/10/15	Complete	100															
Procure replacement probe.		05/31/15	75															
Develop white-paper and communicate to DOE on proposed repairs/upgrades		06/30/15	5															
<b>Critical Risks</b> (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)																		
No critical risks identified in the month of <b>May</b> .																		
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)																		
No high threat value risks identified in the month of <b>May</b> .																		
<b>Unassigned Risks</b> (Pending ownership of identified risks/opportunities)																		
To ensure success of the project ownership needs to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.																		
D4-022: Conflicts Between Regulatory Agencies	EPA and Ecology do not agree on plans for accomplishing facility D4, or disposition pathways for waste, which causes schedule and probable cost impacts.  <u>CHPRC Comment:</u> Regulator actions are outside of CHPRC control.																	
D4-039A: Pre-FY 2013 ERDF Impacts to D4 Activities	ERDF cannot accept D4 wastes or provide required support as the wastes are generated. This risk applies to D4 activities occurring before CHPRC assumes control of ERDF.  <u>CHPRC Comment:</u> Performance of other Hanford contractors is outside of CHPRC control.																	
D4-P-049: PUREX Tunnels Disposition	PUREX Tunnels materials must be removed and treated prior to tunnel closure.  <u>CHPRC Comment:</u> DOE decision or change to previous decision are outside of CHPRC control.																	
D4-U-023: EPA Disallows Adding Additional Items to U-Plant ROD	EPA will not allow adding additional items (such as ancillary facility sand filters or WR vault) to the U-Plant Record of Decision (ROD)  <u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.																	
WSR-001: Canyon Facility Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining canyon facilities requires removal/treatment/disposal rather than cap in place.  <u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.																	

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-040/WBS-040</b>				
WSR-002: Semi-Works Waste Site Remediation	The Record of Decision for remediation of waste sites adjoining the Hot Semi-Works requires removal/treatment/disposal rather than cap in place and requires RCRA closure of the CX tanks.  <u>CHPRC Comment:</u> Final remedial action will be defined in the ROD/RAWP.			
WSR-002A: CX-72 Tank Closure	Ecology requires CX-72 tank to be removed in accordance with draft RCRA closure plan.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-004: MG-1/MG-2 Cleanup Requirements	Cleanup requirements for 200-MG-1 and 200-MG-2 are more stringent than proposed in the EE/CA's.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-005: NRDWL/Landfill Remediation	Regulators will require a remove/treat/dispose (RTD) remedy for selected portions of the Nonradioactive Dangerous Waste Landfill (NRDWL) or the Central Landfill.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-007: More Extensive Contamination Than Expected	During waste site remediation, contamination depth or breadth is greater than planned.  <u>CHPRC Comment:</u> Waste site dimensions were provided in the RFP and associated documents. Deviations from those specific in the RFP are outside of CHPRC control.			
WSR-008: No Action Waste Sites	Confirmatory samples determine no action waste sites require RTD remediation.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-009: Different Remediation Approach	Regulators will require a different cleanup remedy than planned.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-010: Different Remediation Approach	Regulators may agree to a less restrictive cleanup remedy than planned in the baseline.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-011: Regulators Disagree on Remediation Approach	EPA and Ecology disagree on remediation approach for similar waste sites within a closure zone where the waste sites are assigned to different operable units and have different lead regulatory agencies.  <u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
WSR-012: Waste Site Remediation Required Earlier Than Planned	Regulators require closure actions on waste sites before funds available to address adjacent facilities/sites.  <u>CHPRC Comment:</u> Regulatory agency decisions are outside of CHPRC control.			
WSR-014: Unexpected Contaminants	Unexpected contaminants (TRU, LDR, organics) encountered during remediation.  <u>CHPRC Comment:</u> Unexpected contaminants are outside of CHPRC control.			
WSR-015: Borrow Material Shortage	Sufficient borrow material to support cleanup remedies is not available on site.  <u>CHPRC Comment:</u> Restrictions on borrow pit usage and development are outside of CHPRC control.			
WSR-018: ERDF Priorities Impact Waste Site Remediation	Conflicting ERDF priorities impact the CHPRC waste site remediation schedule.  <u>CHPRC Comment:</u> Performance of other Hanford Contractors is outside of CHPRC control.			
WSR-019: Regulator Required Barrier Design Changes	Regulators require changes to planned barrier designs.  <u>CHPRC Comment:</u> Regulator decisions/actions are outside of CHPRC control.			
WSR-020: Operable Unit vs. Zone Closure Decision Documents	Regulators require closure documents by operable unit rather than by closure zone, thus impacting the zone closure strategy and schedule.  <u>CHPRC Comment:</u> Regulatory documents are not developed via Zone Closure or Operable Units. A new category has been developed and is in use. STAYS - EA & WA are operable units			
WSR-023: New Waste Sites Identified	New waste sites are discovered during waste site remediation or through the orphan site identification process.  <u>CHPRC Comment:</u> Waste site were provided in the RFP and associated documents. Deviations from those specifics in the RFP are outside of CHPRC control.			
WSR-025: HLW Discovered During Remediation	Tanks located within or near canyon facilities contain high-level waste that must be dispositioned.  <u>CHPRC Comment:</u> RFP did not identify any High Level Waste.			
WSR-038: Debris Waste Site Cleanup	Radiological or hazardous constituents encountered during cleanup of debris waste sites that were expected to contain only uncontaminated materials.  <u>CHPRC Comment:</u> The J-14 table reflects all radioactive/hazardous waste sites requiring remediation. Debris piles are not contaminated.			

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-040/WBS-040</b>				
<b>WSR-044: OPP: RTD Sites Only Need Confirmatory Sampling</b>	Confirmatory sampling for no further action determined to be acceptable for waste sites previously identified as needing removal, treatment, and disposal (RTD) as the remedial action.			
	<u>CHPRC Comment:</u> Regulatory decisions contrary to the L-8 are outside of CHPRC control.			
<b>WSR-045: Accelerated Remediation of Sites Not in L-8 Table</b>	Waste sites not included in the PRC RFP L-8 table require remediation under the CHPRC contract.			
	<u>CHPRC Comment:</u> Waste sites were stipulated in the RFP and associated documents. Additional waste sites are outside of CHPRC control.			

## PROJECT BASELINE PERFORMANCE

### Current Month

(\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
Total	1.0	1.0	1.0	(0.1)	-8.0%	(0.0)	-0.5%

Numbers are rounded to the nearest \$0.1 million

**CM Schedule Performance: (-\$0.1M/-8.0 %)**  
Variance is within reporting threshold.

**CM Cost Performance: (-\$0.0M/-0.5 %)**  
Variance is within reporting 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	396.9	396.4	365.4	(0.5)	-0.1%	31.0	7.8%	456.7	421.5	35.1

Numbers are rounded to the nearest \$0.1 million

**CTD Schedule Performance: (-\$0.5M/-0.1%)**  
Variance is within reporting threshold.

**CTD Cost Performance: (+\$31.0M/+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 (\$2.6 million), Cold and Dark and Characterization/Waste Identification Form teams (\$4.0 million), lower than planned capital equipment costs (\$3.0 million) and efficiencies with Arid Lands Ecology (ALE) (\$3.7 million), North Slope Facilities (\$1.2 million), disposition of railcars D&D (\$2.1 million), and Industrial 7 Project (\$3.6 million). This is offset by increased material and equipment costs, unexpected asbestos levels, and schedule delays in other ARRA D4 Projects (-\$15.3 million). Efficiencies in Outer Area Waste

Sites (\$6.7 million) are primarily due to Remove, Treat, and Dispose (RTD) O-Zone Waste Sites, and 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 (\$7.4 million) 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 (\$1.1 million), Surveillance and Maintenance (S&M) costs less than expected (\$4.6 million), U-Plant completion of the sampling of Cell 30 with less resources than planned (\$1.1 million), Program Management utilizing less resources (\$3.4 million) and underrun in overhead allocations (\$1.8 million).

**Variance at Completion (+\$35.1M/+7.7 %)**

The Variance at Completion is primarily due to implementation of planned efficiencies.

**Contract Performance Report Formats are provided in Appendix A.**

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0040	15.5	16.2	(0.8)

Numbers are rounded to the nearest \$0.1 million.

**Funds/Variance Analysis**

FY2015 funding for PBS RL-0040 is unchanged from the prior month. The Spend Forecast was changed from \$14.0 million to \$16.2 million due to the addition of Buy Back scope recently authorized by the DOE (including the procurement of Radiation Detection tractors/vehicles, additional planning capabilities, increased electrical breaker maintenance, and documentation to support further canyon and excess facility risk mitigation).

**Critical Path Schedule**

Critical path analysis can be provided upon request.

**Baseline Change Requests**

BCRA-PRC-15-034R0 – *Base Year Shift in Support of FY2016 Annual Update*

BCRA-PRC-15-038R0 - *HPIC Updates May 2015*

**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)



**R. M. Geimer**  
Vice President for  
Sludge Treatment Project  
(STP)

**May 2015**  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

The 100K Characterization Wells continued drilling through clean backfill and into native material, collecting soil samples continuously to a depth of approximately 65 feet. The project completed setup activities on the drilling enclosure with the addition of air conditioning on the second borehole location at UPR-100-K-1 and continued monthly radiological surveillances.

## EMS OBJECTIVES AND TARGET STATUS

None currently identified.

## TARGET ZERO PERFORMANCE

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

## KEY ACCOMPLISHMENTS

- 100K Characterization Wells:
  - 116-KE-3
    - Continued drilling through native material, collecting soil samples continuously to a depth of approximately 65 feet
  - UPR-100-K-1
    - Completed setup activities on the drilling enclosure with the addition of air conditioning
- Completed Surveillances:
  - Radiological – 28
- Radioactive Material Area (RMA) Consolidation:
  - Completed the consolidation of three RMAs. This final consolidation effort results in a single RMA for the project and no further consolidation is anticipated for the year.

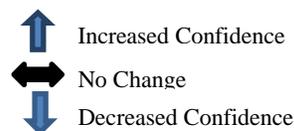
## MAJOR ISSUES

None currently identified.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

- Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.
- Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
- Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



\*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-041/WBS-041</b>				
<b>Explanation of major changes to the project monthly spotlight chart:</b> No major changes to the risk profile for the month of <b>May</b> .				
<b>Realized Risks</b> (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of <b>May</b> .				
<b>Critical Risks</b> (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of <b>May</b> .				
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)				
No high risks identified in the month of <b>May</b> .				
<b>Unassigned Risks</b> (Pending ownership of identified risks/opportunities)				
To ensure success of the project, ownership needs to be established to further identify and address potential impacts to life cycle project cost and schedule. There are cases when identified risks are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.				
<b>KBC-004: Contamination Depth Greater Than Planned</b>	Determination that extent of contamination, primarily below KW Basin, is greater than expected, requiring more soil excavation and disposal.  <u>CHPRC Comment:</u> The L-8 tables and associated RFP information specified the dimensions of the waste sites. Variance to those dimensions is an “as found” condition and is outside of CHPRC Control.			
<b>KBC-069: ERDF Return of Waste Canisters</b>	100K D4 and waste site remediation activities are impacted by delayed emptying and return of waste canisters by ERDF.  <u>CHPRC Comment:</u> Performance of other Hanford contractors is outside of CHPRC control.			
<b>KBC-078: RTD Waste Site Contamination Extent/Waste Volumes</b>	The extent of contamination or volume of waste generated from RTD waste sites is greater than expected.  <u>CHPRC Comment:</u> The L-8 tables and associated RFP include information on total waste volumes. An agreement on total tonnage was reached with DOE-RL in 2013. Volumes above that quantity are outside of CHPRC control.			
<b>KBC-083: Waste Profile Support from WCH</b>	WCH does not complete waste profiles within the timeframe required to support 100K waste site remediation schedule.  <u>CHPRC Comment:</u> Performance of other Hanford Contractors is outside of CHPRC control.			

## 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	0.8	0.5	0.6	(0.3)	-34.9%	(0.1)	-26.8%

Numbers are rounded to the nearest \$0.1 million

### CM Schedule Performance (-\$0.3M/-34.9 %)

The current period schedule variance is within threshold.

### CM Cost Performance (-\$0.1M/-26.8 %)

The cost variance is within threshold.

## Contract-to-Date (\$M)

WBS 041/ RL-0041 Nuclear Facility D&D – River Corridor	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	313.8	313.4	285.9	(0.4)	-0.1%	27.5	8.8%	397.8	364.2	33.6

Numbers are rounded to the nearest \$0.1 million

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

The schedule variance is within threshold.

### CTD Cost Performance (+\$27.5M/+8.5 %)

The positive variance is primarily the result of prior year activity that has been previously reported and Confirmatory Sampling No Action (CSNA) sites that were completed early and under costs. In addition, less demolition was required for the KE Sedimentation Basin, and there were underruns in General and Administrative and Direct Distributable. This is partially offset by the cost overruns in prior years for the Utilities Project.

### Variance at Completion (+\$33.6M/+8.5 %)

The Variance at Completion is primarily due to implementation of planned efficiencies.

**Contract Performance Report Formats are provided in Appendix A.**

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

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2015		
	Projected Funding	Spending Forecast	Spend Variance
RL-0041	9.6	8.4	1.2

Numbers are rounded to the nearest \$0.1 million.

### Funds/Variance Analysis:

FY2015 funding for PBS RL-0041 is unchanged from the prior month. The Spend Forecast was unchanged and remains at \$8.4 million.

### Critical Path Schedule

Critical Path Analysis can be provided upon request.

### Baseline Change Requests

BCR-041-15-009R0 – *Min Safe Segregation Part 2*

BCRA-PRC-15-034R0 – *Base Year Shift in Support of FY2016 Annual Update*

## **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)



**R. M. Geimer**  
Vice President for  
Sludge Treatment Project  
(STP)

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

## PROJECT SUMMARY

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

## EMS OBJECTIVES AND TARGET STATUS

None currently identified.

## 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

- Continued planning for installation of switches for the T-58 heater control circuit
- 400 Area Water System
  - Performed walk down with Hanford Fire Department and Ballard Marine Construction for planned water tank inspection/repairs
  - Commenced work on the three-year internal inspection of the two water tanks T-58 and T-87
- Completed:
  - 17 Preventative Maintenance activities
  - Four operational surveillances
  - Four radiological surveillances

## MAJOR ISSUES

None currently identified.

## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**



Mitigation efforts are currently working toward, or after risk trigger with no foreseeable impacts.  
 Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.  
 Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.



Increased Confidence  
 No Change  
 Decreased Confidence

\*Red arrow indicates realized risk  
 \*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments
		Month	Trend	
<b>RL-042/WBS-042</b>				
<b>Explanation of major changes to the project monthly spotlight chart:</b>				
No major changes to the risk profile for the month of <i>May</i> .				
<b>Realized Risks</b> (Risks that are currently impacting project cost/schedule)				
No realized risks for the month of <i>May</i> .				
<b>Critical Risks</b> (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)				
No critical risks identified in the month of <i>May</i> .				
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)				
No high threat value risks identified in the month of <i>May</i> .				
<b>Unassigned Risks</b> (Pending ownership of identified risks/opportunities)				
No unassigned risks identified in the month of <i>May</i> .				

## 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	0.3	(0.0)	-4.3%	(0.2)	-99.8%

Numbers are rounded to the nearest \$0.1M

**CM Schedule Performance: (-\$0.0M/-4.3 %)**

The current period schedule variance is within threshold.

**CM Cost Performance: (-\$0.2M/-99.8 %)**

The current period cost variance is within threshold.

## Contract-to-Date (\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Total	19.5	19.4	16.0	(0.1)	-0.3%	3.4	17.3%	26.6	20.3	6.3

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

### CTD Cost Performance (+\$3.4M/+17.3 %)

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

### Variance at Completion (+\$6.3M/+23.8 %)

The Variance at Completion is within reporting thresholds.

**Contract Performance Report Formats are provided in Appendix A.**

## FUNDS VS. SPEND FORECAST (\$M)

RL-0042 FFTF Closure	FY2015		Spend Variance
	Projected Funding	Spending Forecast	
RL-0042	1.4	1.5	(0.1)

Numbers are rounded to the nearest \$0.1 million

### Funds Analysis

Projected Funding is unchanged from the prior month and Spending Forecast changed from 1.2 million to 1.5 million due to the increased cost associated with the inspection/repair of 400 Area water system tanks. In addition, the forecast includes anticipated additional preventive/corrective maintenance for the water system.

### Critical Path Schedule

Critical path analysis is not applicable to this project. The remaining contract scope is performance of interim surveillance and maintenance activities pending facility disposition.

### Baseline Change Requests

BCRA-PRC-15-034R0 – Base Year Shift in Support of FY2016 Annual Update

## 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

A wide-angle landscape photograph showing a large river winding through a valley. In the foreground, there are dry, brownish hills with sparse green shrubs. The middle ground features a large, flat island or peninsula in the river. The background consists of rolling, low mountains under a clear blue sky.

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

FORMAT 1, DD FORM 2734/1, WORK BREAKDOWN STRUCTURE

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
<b>1. CONTRACTOR</b>			<b>2. CONTRACT</b>				<b>3. PROGRAM</b>			<b>4. REPORT PERIOD</b>						
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 04 / 27						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE		c. EVMS ACCEPTANCE NO YES X 9/18/2009			b. TO (YYYYMMDD) 2015 / 05 / 24						
c. TYPE CPAF			d. SHARE RATIO													
<b>5. CONTRACT DATA</b>																
a. QUANTITY 1		b. NEGOTIATED COST 5,496,658	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 19,029		d. TARGET PROFIT/FEE 228,503	e. TARGET PRICE 5,725,161	f. ESTIMATED PRICE 5,573,688		g. CONTRACT CEILING 5,725,161	h. ESTIMATED CONTRACT CEILING 5,573,688		i. DATE OF OTB/OTS				
<b>6. ESTIMATED COST AT COMPLETION</b>																
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		<b>7. AUTHORIZED CONTRACTOR REPRESENTATIVE</b>								
								a. NAME (Last, First, Middle Initial) K. K. Dickerson			b. TITLE Prime Contract Manager					
a. BEST CASE		5,266,818						c. SIGNATURE			d. DATE SIGNED 5/24/2015					
b. WORST CASE		5,499,757														
c. MOST LIKELY		5,345,185		5,515,687		170,503										
<b>8. PERFORMANCE DATA</b>																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		REPROGRAMMING ADJUSTMENTS			BUDGETED	ESTIMATED	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)	(14)	(15)	(16)
011 RL-11 NM Stabilization and Disposition PFP	9,314	9,622	7,711	513	1,279	802,608	772,266	806,463	(30,342)	(34,197)	0	0	0	938,694	947,589	(8,895)
012 RL-12 SNF Stabilization and Disposition	6,470	6,090	6,644	74	892	486,008	489,109	498,176	3,101	(9,067)	0	0	0	696,077	709,301	(13,224)
013 RL-13 Solid Waste Stabilization & Disposition	8,267	8,436	7,526	(895)	3,065	946,031	946,903	897,343	872	49,561	0	0	0	1,312,369	1,236,545	75,824
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	13,269	12,435	10,192	(1,247)	286	1,100,138	1,095,375	1,077,557	(4,764)	17,817	0	0	0	1,537,876	1,497,335	40,541
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,040	957	962	(174)	226	396,850	396,393	365,413	(457)	30,981	0	0	0	455,652	420,513	35,138
041 RL-41 Nuclear Facility D&D - River Corridor	763	496	630	(57)	(299)	313,838	313,449	285,929	(389)	27,520	0	0	0	397,816	364,173	33,642
042 RL-42 FFTF Closure	163	156	313	(9)	73	19,458	19,392	16,028	(66)	3,363	0	0	0	26,577	20,256	6,320
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														71,105	71,105	0
e. Sub Total	39,286	38,193	33,978	(1,093)	4,215	4,064,932	4,032,886	3,946,908	(32,046)	85,977	0	0	0	5,436,166	5,266,818	169,348
f. Management Reserve														78,367		
g. Total	39,286	38,193	33,978	(1,093)	4,215	4,064,932	4,032,886	3,946,908	(32,046)	85,977	0	0	0	5,514,532		
<b>9. Reconciliation to CBB</b>																
a. Variance Adjustment																
b. Total Contract Variance									(32,046)	85,977				5,514,532	5,266,818	247,714

FORMAT 2, DD FORM 2734/2, ORGANIZATIONAL CATEGORIES

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT FORMAT 2 - ORGANIZATIONAL CATEGORIES											DOLLARS IN _ Thousands of \$			FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT			3. PROGRAM			4. REPORT PERIOD							
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2015 / 03 / 23							
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788			b. PHASE			b. TO (YYYYMMDD) 2015 / 04 / 26							
c. TYPE CPAF			d. SHARE RATIO			c. EVMS ACCEPTANCE NO YES X 9/18/2009										
5. PERFORMANCE DATA																
FOC	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST WORK PERFORMED (4)	VARIANCE		BUDGETED COST		ACTUAL COST WORK PERFORMED (9)	VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
	WORK SCHEDULED (2)	WORK PERFORMED (3)		SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)		SCHEDULE (10)	COST (11)						
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12a)	(12b)	(13)	(14)	(15)	(16)
<b>34 - Envr Program &amp; Strategic Planning</b>																
340 - Environmental Prog & Regl Mgt	616	541	477	(75)	64	53,313	53,380	49,297	67	4,083	0	0	0	83,134	73,537	9,597
	616	541	477	(75)	64	53,313	53,380	49,297	67	4,083	0	0	0	83,134	73,537	9,597
<b>35 - Business Services</b>																
35D - Contract Mgmt & Facility Svcs	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	449,477	449,477	425,102	0	24,375	0	0	0	449,477	425,102	24,375
	0	0	0	0	0	472,524	472,524	448,622	0	23,902	0	0	0	472,524	448,622	23,902
<b>36 - Prime Contract &amp; Project Integration</b>																
365 - Perf Assess & Risk Mgmt	370	370	105	0	265	460	460	246	0	215	0	0	0	8,602	8,507	95
	370	370	105	0	265	460	460	246	0	215	0	0	0	8,602	8,507	95
<b>3B - PFP Closure</b>																
36Y - Matrixed to PFP	0	0	0	0	0	4,822	4,822	5,328	0	(507)	0	0	0	4,822	5,328	(507)
3B0 - PFP Close/BOSS D&D & Infastruc	1,662	1,631	2,133	(31)	(502)	151,448	140,221	164,584	(11,227)	(24,363)	0	0	0	201,579	216,002	(14,422)
3B3 - Project Management/Subcontracts	1,815	2,157	1,129	341	1,028	115,963	111,905	114,015	(4,058)	(2,110)	0	0	0	134,577	132,937	1,640
3B4 - Engrg Nuc Saf Plng&Wrk Control	1,415	1,415	913	0	502	59,164	59,164	48,335	0	10,829	0	0	0	74,095	59,242	14,853
3B7 - Environmental & Waste	671	690	793	20	(103)	59,221	58,492	48,460	(729)	10,032	0	0	0	73,244	71,494	1,750
3BA - Project Mgmt D&D	1,018	1,019	998	1	21	157,323	157,322	159,970	(1)	(2,648)	0	0	0	168,033	171,260	(3,227)
3BB - PFP D4 Deputy Project Mgmt	2,653	2,631	1,710	(22)	922	168,436	154,109	186,742	(14,327)	(32,633)	0	0	0	195,084	211,244	(16,160)
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	(0)	0	0	0	0	0	(0)
	9,234	9,543	7,676	309	1,867	716,376	686,034	727,436	(30,342)	(41,402)	0	0	0	851,435	867,507	(16,073)
<b>3C - Decom Waste Fuels &amp; Remed Svcs</b>																
38X - Support to 3C - W&FMP/D&D Project	2,140	2,051	1,139	(89)	913	52,458	55,168	74,435	2,711	(19,267)	0	0	0	91,055	120,336	(29,281)
3AD - Sludge Treatment Project	4,036	3,911	5,443	(125)	(1,532)	378,519	379,075	369,566	555	9,509	0	0	0	547,291	531,941	15,350
3BX - Support to 3C - W&FMP/D&D Project	754	487	626	(266)	(139)	250,142	249,753	228,001	(389)	21,752	0	0	0	326,640	298,963	27,677
3C1 - Waste & Fuels Mgmt Proj	389	196	528	(193)	(333)	61,018	60,804	53,504	(214)	7,300	0	0	0	62,703	56,445	6,258
3C2 - DWF&RS	209	43	47	(165)	(4)	680	515	490	(165)	25	0	0	0	1,099	1,044	55
3C4 - Waste & Fuels Project Controls	2,328	2,306	1,543	(22)	762	215,329	215,088	213,405	(241)	1,683	0	0	0	322,724	296,577	26,147
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	1,178	1,119	1,351	(59)	(232)	207,000	207,358	193,055	358	14,303	0	0	0	334,183	340,150	(5,967)
3CD - Waste Disposition	5,464	5,817	5,350	353	467	708,775	709,221	665,674	446	43,548	0	0	0	909,781	835,745	74,037
	16,498	15,930	16,028	(568)	(98)	1,923,061	1,926,121	1,850,515	3,060	75,606	0	0	0	2,644,615	2,533,586	111,029
<b>3D - Soil &amp; Groundwater Remediation</b>																
3D0 - Soil & Groundwater Remediation	1,019	969	770	(49)	199	86,411	86,456	84,507	45	1,949	0	0	0	141,155	127,876	13,278
3D2 - GW Remediation Support	2,606	2,691	2,751	85	(60)	183,691	180,828	168,729	(2,863)	12,099	0	0	0	277,913	262,356	15,557
3D4 - GW Operations	2,989	2,771	2,224	(218)	548	180,860	181,014	167,641	154	13,374	0	0	0	308,298	295,062	13,237
3D8 - GW Analysis and Reporting	5,955	5,379	3,948	(576)	1,430	448,235	446,068	449,916	(2,167)	(3,848)	0	0	0	577,385	578,659	(1,274)
	12,569	11,810	9,693	(758)	2,118	899,197	894,366	870,792	(4,831)	23,574	0	0	0	1,304,751	1,263,953	40,798
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														71,105	71,105	0
e. Sub Total	39,286	38,193	33,978	(1,093)	4,215	4,064,932	4,032,886	3,946,908	(32,046)	85,977	0	0	0	5,436,166	5,266,818	169,348
f. Management Resrv.														78,367		
g. Total	39,286	38,193	33,978	(1,093)	4,215	4,064,932	4,032,886	3,946,908	(32,046)	85,977	0	0	0	5,514,532		

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT															Form Approved					
FORMAT 3 - BASELINE										DOLLARS IN THOUSANDS					OMB No. 0704-0188					
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA					2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:					3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					4. REPORT PERIOD a. FROM: 2015/04/27 b. TO: 2015/05/24					
5. CONTRACT DATA																				
a. ORIGINAL NEGOTIATED COST 4,312,366					b. NEGOTIATED CONTRACT CHANGE \$1,184,292		c. CURRENT NEGOTIATED COST (A + B) \$5,496,658		d. ESTIMATED COST AUTH UNPRICED WORK \$19,029		e. CONTRACT BUDGET BASE (C + D) \$5,515,687		f. TOTAL ALLOCATED BUDGET \$5,514,533		g. DIFFERENCE (E - F) \$1,155					
h. CONTRACT START DATE 6/19/2008					i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018		k. CONT COMPLETION DATE 9/30/2018										
6. PERFORMANCE DATA																				
ITEM  (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)										UNDISTRIB BUDGET (16)	TOTAL BUDGET (17)		
							SIX MONTH FORECAST						FY09-13	FY14	FY15	FY16			FY17	FY18
							+1 Jun-15 (4)	+2 Jul-15 (5)	+3 Aug-15 (6)	+4 Sep-15 (7)	+5 Oct-15 (8)	+6 Nov-15 (9)	(10)	(11)	(12)	(13)	(14)	(15)		
a. PM BASELINE (BEGIN OF PERIOD)			4,025,646		47,515		36,084	47,019	37,671	51,042	32,189	38,821	3,391,477	391,653	452,410	422,212	352,145	341,147	59,129	5,410,172
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																				
BCR-012-15-005R0 - 100 KW Garnet Filter Conceptual and Sand Filter Medias Pre-conceptual Remediation Designs															567	60				627
BCR-013-15-008R0 - RCRA Waste Management															554	646				1,200
BCR-013-15-012R0 - Move ETF Rate Impacts to Undistributed Budget															(4)			4		0
BCR-041-15-009R0, Min Safe Segregation Part 2															(5,958)	(5,229)	2,058	9,129		0
BCR-PRC-15-035R0 - Definitization of CO #261, Design and Construction of Unloading Station and Transfer Tank															404	559	343	521		1,826
BCR-PRC-15-036R0 - Definitization of CO #264, 200-UP-1 Uranium Treatment Inside 200W Pump & Treat Facility															3,124	2,261	2,495	2,487		10,367
BCRA-PRC-15-034R0 - Base Year Shift in Support of FY2016 Annual Update															0	0	0	0		0
BCR-PRC-15-037R0 - Undistributed Budget Adjustments																			11,973	11,973
c. PM BASELINE (END OF PERIOD)			4,064,932		39,286		37,100	46,011	36,789	49,396	30,812	37,325	3,391,477	391,653	451,099	420,508	357,040	353,283	71,105	5,436,166
7. MANAGEMENT RESERVE																				78,367
8. TOTAL																				5,514,533

\* Cumulative BCWS at month end April 2015 was incorrectly reflected as \$3,994,693. This value has been corrected to for the May 2015 beginning of period value.

\*\* Prior to May 2015, Undistributed Budget (UB) values were reflected for CLIN 8 (Authorized Unpriced Work) only. Beginning May 2015, Undistributed Budget is reflected to include all CLINs.

CONTRACT PERFORMANCE REPORT

FORMAT 4 - STAFFING

FORM APPROVED

OMB No. 0704-0188

<b>1. CONTRACTOR</b>		<b>2. CONTRACT</b>		<b>3. PROGRAM</b>		<b>4. REPORT PERIOD</b>	
<b>a. NAME</b> CH2M HILL Plateau Remediation Company		<b>a. NAME</b> Plateau Remediation Contract		<b>a. NAME</b> Plateau Remediation Contract		<b>a. FROM (YYYYMMDD)</b> 2015 / 04 / 27	
<b>b. LOCATION (Address and ZIP Code)</b> Richland, WA		<b>b. NUMBER</b> RL14788		<b>b. PHASE</b>		<b>b. TO (YYYYMMDD)</b> 2015 / 05 / 24	
		<b>c. TYPE</b> CPAF	<b>d. SHARE RATIO</b>	<b>c. EVMS ACCEPTANCE</b> YES 9/18/2009			

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											
			+1 Jun (4)	+2 Jul (5)	+3 Aug (6)	+4 Sep (7)	+5 Oct (8)	+6 Nov (9)	REM FY2016 (10)	FY2017 (11)	FY2018 (12)		(13)	
<b>300 - Office of the President</b>														
35X - Support to President	6	477	5	5	5	5	5	5	5	5	47	63	63	687
	<b>6</b>	<b>477</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>47</b>	<b>63</b>	<b>63</b>	<b>687</b>
<b>303 - Internal Audit</b>														
303 - Internal Audit	5	344	5	5	5	5	5	5	5	5	45	60	60	545
	<b>5</b>	<b>344</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>45</b>	<b>60</b>	<b>60</b>	<b>545</b>
<b>304 - General Counsel</b>														
304 - General Counsel	4	327	5	5	5	5	5	5	5	5	47	60	60	529
	<b>4</b>	<b>327</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>47</b>	<b>60</b>	<b>60</b>	<b>529</b>
<b>31 - Communications</b>														
310 - Communications	9	779	9	9	9	9	9	9	9	9	81	108	108	1,140
	<b>9</b>	<b>779</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>9</b>	<b>81</b>	<b>108</b>	<b>108</b>	<b>1,140</b>
<b>32 - Safety, Health, Security &amp; Quality</b>														
320 - Safety Health Security/Quality	15	1,580	16	17	17	17	17	17	17	17	149	199	199	2,243
321 - RAD PRO/Emergency Prep	0	0	0	0	0	0	0	0	0	0	0	0	0	0
322 - Nuclear Ops Supp & Compliance	8	781	9	9	9	9	9	9	8	8	72	96	96	1,105
324 - Quality Assurance	15	1,791	16	17	17	17	17	17	17	17	155	207	208	2,480
328 - Occup Safety & Indus Hygiene	17	1,510	18	19	19	19	19	18	18	18	165	220	220	2,245
	<b>56</b>	<b>5,662</b>	<b>59</b>	<b>61</b>	<b>61</b>	<b>61</b>	<b>61</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>542</b>	<b>722</b>	<b>724</b>	<b>8,073</b>
<b>34 - Environmental Prog &amp; Strategic Planning</b>														
340 - Environmental Prog & Regl Mgt	36	3,669	38	39	39	39	39	46	46	46	412	556	556	5,485
	<b>36</b>	<b>3,669</b>	<b>38</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>46</b>	<b>46</b>	<b>46</b>	<b>412</b>	<b>556</b>	<b>556</b>	<b>5,485</b>
<b>35 - Business Services</b>														
35D - Contract Mgmt & Facility Svcs	25	3,100	26	27	27	27	27	28	28	28	255	340	340	4,225
35F - Industrial Relations	6	398	5	6	6	6	6	5	5	5	48	62	64	610
35H - Human Resources	15	1,157	14	15	15	15	15	15	15	15	133	177	177	1,748
35K - PRC Finance	12	1,375	12	12	12	12	12	13	13	13	117	156	156	1,891
	<b>58</b>	<b>6,029</b>	<b>57</b>	<b>59</b>	<b>59</b>	<b>59</b>	<b>59</b>	<b>62</b>	<b>62</b>	<b>62</b>	<b>553</b>	<b>735</b>	<b>737</b>	<b>8,473</b>
<b>36 - Prime Contract &amp; Project Integration</b>														
361 - Cont Compl & Change Mgmt	9	645	11	12	12	12	12	13	13	13	117	156	156	1,160
363 - EVMS Compl & Rptg	18	1,435	17	18	18	18	18	17	17	17	153	180	180	2,070
365 - Perf Assess & Risk Mgmt	7	342	15	16	16	16	16	19	19	19	175	163	154	954
366 - Information & Interface Mgmt	14	1,042	13	15	15	15	15	14	14	14	126	168	168	1,603
	<b>48</b>	<b>3,464</b>	<b>57</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>60</b>	<b>64</b>	<b>64</b>	<b>64</b>	<b>571</b>	<b>667</b>	<b>658</b>	<b>5,787</b>
<b>38 - Project Technical Services</b>														
381 - Central Engineering	7	619	9	9	9	9	9	9	9	9	84	113	113	993
382 - Training & Procedures	8	2,114	10	10	10	10	10	10	10	10	90	120	120	2,514
383 - Operations Programs	6	824	7	7	7	7	7	7	7	7	63	84	84	1,104
384 - Project Delivery	8	1,156	12	13	13	13	13	10	10	10	91	122	122	1,571
	<b>29</b>	<b>4,713</b>	<b>38</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>39</b>	<b>37</b>	<b>37</b>	<b>37</b>	<b>329</b>	<b>439</b>	<b>439</b>	<b>6,183</b>
<b>3B - PFP Closure</b>														
36Y - Matrixed to PFP	0	524	0	0	0	0	0	0	0	0	0	0	0	524
3B0 - PFP Close/BOSS D&D & Infastruc	57	5,384	54	55	59	54	58	58	58	58	893	0	0	6,673
3B3 - Project Management/Subcontracts	60	4,225	53	56	56	56	56	51	51	51	288	35	0	4,921
3B4 - Engrg Nuc Saf Plng&Wrk Control	50	2,549	55	57	57	57	57	34	34	34	140	0	0	3,015
3B7 - Environmental & Waste	36	2,913	34	35	35	35	35	32	32	32	273	6	0	3,426
3BA - Project Mgmt D&D	61	11,347	61	64	64	64	64	57	57	57	246	0	0	12,016
3BB - PFP D4 Deputy Project Mgmt	120	12,800	128	140	119	135	109	109	109	109	197	0	0	13,846
3BD - PFP Cold & Dark	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>384</b>	<b>39,742</b>	<b>385</b>	<b>407</b>	<b>390</b>	<b>400</b>	<b>339</b>	<b>339</b>	<b>339</b>	<b>339</b>	<b>2,038</b>	<b>41</b>	<b>0</b>	<b>44,421</b>
<b>3C - W&amp;FMP/D&amp;D Project</b>														
38X - Support to 3C - W&FMP/D&D Project	41	1,434	58	62	68	86	71	71	71	71	443	291	103	2,760
3AD - Sludge Treatment Project	145	16,594	143	148	147	147	144	144	144	144	1,345	1,707	1,823	22,530
3BX - Support to 3C - W&FMP/D&D Project	20	7,227	38	22	20	14	51	51	51	51	711	505	854	9,545
3C1 - Waste & Fuels Mgmt Proj	20	902	21	15	18	11	6	6	6	6	15	0	0	999
3C2 - DWF&RS	2	25	4	2	2	1	0	0	0	0	0	0	0	35
3C4 - Waste & Fuels Project Controls	63	6,962	62	62	62	62	68	68	68	68	612	834	826	9,687
3C5 - TRU Project	0	583	0	0	0	0	0	0	0	0	0	0	0	583
3C9 - Liquid & Fuels Storage	69	11,947	72	76	75	75	74	74	74	74	665	1,193	1,028	15,434
3CD - Waste Disposition	156	34,008	168	171	170	164	161	161	161	161	1,549	2,759	2,307	41,781
	<b>515</b>	<b>79,683</b>	<b>565</b>	<b>558</b>	<b>563</b>	<b>560</b>	<b>576</b>	<b>576</b>	<b>576</b>	<b>576</b>	<b>5,340</b>	<b>7,290</b>	<b>6,941</b>	<b>103,353</b>
<b>3D - Soil &amp; Groundwater Remediation</b>														
3D0 - Soil & Groundwater Remediation	36	3,193	33	35	35	35	42	42	42	42	377	519	519	4,872
3D2 - GW Remediation Support	60	6,611	67	73	74	73	64	64	64	64	599	808	880	9,378
3D4 - GW Operations	107	7,975	108	111	110	110	105	105	105	105	999	1,279	1,281	12,288
3D8 - GW Analysis and Reporting	85	9,490	87	88	94	76	77	77	77	77	773	1,203	705	12,759
	<b>288</b>	<b>27,270</b>	<b>296</b>	<b>307</b>	<b>313</b>	<b>293</b>	<b>289</b>	<b>289</b>	<b>289</b>	<b>289</b>	<b>2,747</b>	<b>3,810</b>	<b>3,384</b>	<b>39,297</b>
<b>Grand Totals:</b>	<b>1,437</b>	<b>172,159</b>	<b>1,518</b>	<b>1,555</b>	<b>1,548</b>	<b>1,536</b>	<b>1,496</b>	<b>1,496</b>	<b>1,496</b>	<b>12,751</b>	<b>14,551</b>	<b>13,730</b>		<b>223,973</b>



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

**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 +\$169.3 million and +3.1% and is within reporting thresholds.

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

CPs - In Process		
	Total Authorized Unpriced Work	\$19,029
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		
	Total Negotiated Cost Changes	-
<b>Grand Total Adjustments</b>		<b>\$19,029</b>

**Use of Management Reserve (MR) and Fee Activity:**

**MR Utilization**

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

There were no changes to Management Reserve during May.

**Fee Activity**

BCR Number	Title	Fiscal Year	Fee
N/A	N/A	N/A	N/A

There were no changes to Fee during May.

**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.

<b>Prepared by:</b> Project Control Staff	<b>Date:</b> 6/17/2015	<b>Approved by:</b>	<b>Date:</b>
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# Appendix B

## Project Services and Support (WBS 000)



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

**M. A. Wright**  
Vice President for  
Project Technical  
Services

May 2015  
CHPRC-2015-05, Rev. 0  
Contract DE-AC06-08RL14788  
Deliverable C.3.1.3.1 - 1

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

**D. A. Millikin**  
Director of  
Communications

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

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

## PROGRAM SUMMARY

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

### EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
15-EMS-ADMIN-OB1-T1	Reduce energy intensity.	Increase facility occupancy rates to greater than 82 percent by compressing occupancy and vacating underutilized facilities. Vacated/unoccupied facilities declared unusable and designated inactive placed in Care Taker system.	9/30/15	60%
15-EMS-ADMIN-OB2-T1	Reduce the generation and/or toxicity of waste at the source.	Incorporate waste minimization language into at least 90 percent of CHPRC onsite/offsite event contracts. Train staff on “green” event planning, contract terms, and policy.	9/30/15	50%
15-EMS-ADMIN-OB3-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	Establish green catalogs for products beyond office supply purchases on the web site and assuring the GSA supplier has been educated on this objective.	10/9/15	50%
15-EMS-ADMIN-OB3-T2	Reduce generation of paper waste.	Migrate 95 percent of all record generation to paperless. All records will be reviewed and moved into IDMS for permanent storage.	9/30/15	75%
15-EMS-ADMIN-OB4-T1	To expedite chemical Reportable Quantity (RQ) identification by the CHPRC single point of contact (SPOC) during a release or spill.	Develop RQ table for the single point of contact (SPOC) at CHPRC to use when evaluating a release or spill.	9/30/15	50%

## TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	1	N/A
First Aid Cases	1	7	An employee experienced potential carpal tunnel syndrome due to extensive computer use. (23665)
Near-Misses	0	0	N/A

## KEY ACCOMPLISHMENTS

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

- SHS&Q activities provide support and technical services to all CHPRC projects and central management of crosscutting services. There were zero SHS&Q Recordable injuries or First Aid cases during May.
  - o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
    - Continued support of site-wide standards committees and site-wide steering committees. One site-wide program, DOE-0346, *Hanford Site Fall Protection Program*, is currently in the process of developing an implementation schedule for Revision 1A. Three other site-wide committees (DOE-0344, *Hanford Site Excavation, Trenching and Shoring Procedure*; DOE-0352 *Hanford Site Respiratory Protection Program*; and DOE-0360, *Hanford Site Confined Space Procedure*), are going through the revision process at this time.
    - Continued implementation of the Chronic Beryllium Disease Prevention Program (CBDPP) Revision 2A. Beryllium facility assessments have been completed on 829 CHPRC facilities. Characterizations of facilities are being performed as identified through the assessment process. Beryllium characterizations have been completed on 309 CHPRC facilities. An additional 73 facilities have been sampled.
    - Continued to provide field ergonomic assessments and office ergonomic assessments throughout all projects.
    - Continued to provide technical assistance to Plutonium Finishing Project (PFP) and Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) for asbestos work activities.
    - Continued to assist Project Technical Services (PTS) in review of sampling data for stainless steel welding at the construction shop. Provided follow-up recommendations.
    - Provided technical support to DWF&RS for confined space evaluations for diving activities
    - Continued to provide support to PFP for respiratory protection issues and trending data for powered air purifying respirator issues.
    - Continue to work with Sample Management to streamline the handling and shipping of IH samples.

- Participated in the Hanford Site Safety Expo and efforts were rewarded with the Award for Best Overall Booth.
- Attended and sponsored the Voluntary Protection Program Participants' Association (VPPPA) Region X Conference and received the Innovation award for "After School Matters," and our HAMTC Rep won the Chair Person of the Year Award.
- Finalized the Apparent Cause Evaluation for the emerging trend in non-use/misuse of required Personal Protective Equipment and developed a Corrective Action Plan.
- Continuing to provide field support to the Soil and Groundwater Remediation Project (S&GRP) while search is underway to obtain additional project OS&IH staff.
- Continuing to provide field support to PTS to backfill project OS&IH.
- Continuing to provide long term field support to PFP to backfill position vacated by OS&IH personnel.
- o Radiological Control accomplishments:
  - Submitted CHPRC Radioactive Material Area management improvement plan to RL.
  - Supported ten CFR 835 Subpart F, "Entry Control Program" as part of triennial assessment activities.
  - Revised PRC-PRO-RP-40067, *Personnel and Personal Effects Decontamination*, to streamline nasal smear counting protocol to support PFP activities.
  - Continued working with Lockheed Martin Services, Inc. (LMSI) to convert Survey Simple to web-based application.
  - Revised PRC-PRO-RP-379, *External Dosimetry Program*, procedure to clarify multi-pack dosimeter process to support PFP radiological work planning.
  - Supported CHPRC Procurement in developing contract for Contractor RCTs.
  - Scheduled Microshield software upgrade on-site vendor training for June 2015.
  - Continued work with site contractor Interface Management to revise the Administrative Interface Agreement for Integrated Biological Control Program Services.
  - Approved twelve ACL extensions for PFP personnel.
- o Nuclear Safety accomplishments:
  - DSA:
    - Safety Basis documents released and in implementation phase:
      1. Plutonium Finishing Plant Documented Safety Analysis
      2. Plutonium Finishing Plant Technical Safety Requirements
  - Reorganized the Nuclear Safety and Criticality Safety groups.
  - Safety Basis documents and letters transmitted to RL in April and May include:
    - Email, CHPRC-1502274, dated April 2, 2015, *HNF-11724 Revision 12 approved by CHPRC reviewers.*
    - Email, CHPRC-NS-15-003, dated April 27, 2015, *FFTF Documented Safety Analysis Revision 3.*
    - Email, CHPRC-NS-15-004, dated April 29, 2015, *PUREX Safety Basis Revision 8.*
    - Letter, CHPRC-1501992, May 18, 2015, *Submittal of the Annual Update of the 200 Area Interim Storage Area Safety Basis and Unreviewed Safety Question Determination Summary.*
    - Email, CHPRC-1502217, dated May 20, 2015, *224-T Safety Basis (CP-14641) Revision 6.*
  - Letters received from RL in May include:
    - Letter, 15-NSD-0043\_RL, dated May 4, 2015, *CH2M HILL Plateau Remediation Company (CHPRC) Submittal of Plutonium Finishing Plant (PFP) Documented Safety Analysis (DSA) Revision 12 for the Richland Operations Office (RL) Review and Approval.*

- Letter, 15-AMRP-0142, dated May 5, 2015, *Notification of Change Based on Condition of Approval for Preliminary Documented Safety Analysis, Revision 1.*
- Criticality Safety
  - CHPRC-02512, Rev. 0, *CSEER 15-002: Criticality Safety Evaluation Report for the 234-5Z Facility Final Demolition*, EDC# ECR-15-000546, CHPRC, Richland, Washington, May 11, 2015.
  - HNF-30732, Rev 3, *An MCNP Analysis of Criticality Alarm System Coverage in the Plutonium Finishing Plant and the Plutonium Recovery Facility.*
- Transportation Safety
  - Organized and participated in Quarterly Transportation Safety All Contractors Meeting and introduced the new Transportation Safety Lead to the group.
  - Prepared Functional Design Criteria for procurement of IP-1 Overpack in support of SWOC disposition of Fiberglass Reinforced Plywood box.
  - Prepared specification for metal pallet to use with SWBs that will eliminate the need to use additional blocking and the friction mat between the SWB and pallet.
- o Contractor Assurance Regulatory Reporting (CARR) accomplishments:
  - 152 Condition Reports (CRs) were screened in May:
    - One Significant issues identified
    - Four Adverse issues identified
    - 76 Track Until Fixed (TUF) issues identified
    - 22 Trend Only (TO) items identified
    - 47 Opportunity for Improvement (OFI) items identified
    - Two Screen Outs
  - 114 CRs administratively closed
  - 230 CR actions administratively closed
  - Supported PFP by performing Apparent Cause Evaluation on EM-RL—CPRC-PFP-2015-0004, *Unexpected Discovery of Uncontrolled Electrical Energy in Panel CN.*
  - Coordinated the Annual Board tour of Hanford CHPRC Projects. DNFSB Members and Staff toured the K-Basin Annex, T-Plant, PFP, REDOX and Waste Encapsulation and Storage Facility (WESF).
  - Coordinated the recurring monthly CHPRC/DNFSB Information Request Status call.
  - Coordinated recurring monthly DNFSB conference calls.
  - 22 documents were provided in response to DNFSB requests for information.
  - One external Lessons Learned was published in OPEX.
  - One Noncompliance Tracking System report was submitted: NTS-RL—CPRC-GPP-2015-0001, *Well Maintenance Pump Truck Traveled Under 13.8 KV Power Lines with Mast Elevated*, was submitted on May 11, 2015. A Price-Anderson Amendments Act NTS report was issued regarding a positive USQ at the Canister Storage Building (CSB).
- o Performance Oversight, Assessment, and Quality Assurance accomplishments:
  - Chaired the Integrated Safety Management System/Quality Assurance (ISMS/QA) Energy Facility Contracting Group (EFCOG) spring working meeting.
  - Issued the FY2015 Safety Culture Survey for completion by June 18, 2015.
  - Completed field activities associated with SHSQ-2015-NSPEB-13325, *Plutonium Finishing Plant Independent Assessment.*
  - Completed work on two minor System Change Requests submitted late in support of Integrated Evaluation Plan (IEP) Update 1.3.0. Completed updates to User Manual to support release of the revision to Production.

- Completed field work for PTS-2015-SURV-15783, Review of actions to address Fire Protection Program improvements.
  - In-field activities continued for 10 CFR 835, Subpart F, “Entry Control Program,” surveillance activity.
  - Provided support to PFP to evaluate application of the PRO-055, *Startup Readiness*, process to PFP demolition activities. Completed preparation, approval and submittal of the Level of Review Score Sheet and Technical Description document to the JET Chairperson for review and concurrence of the review determination.
  - Supported PTS’s development and submittal of the FY2015 Fourth Quarter Startup Notification Report letter and attachments to RL for approval.
  - Completed and issued SHS&Q-2015-SURV-15094, “Review of Project Technical Support’s Contract Directive Requirements for the Flow Down and Performance of Programmatic Assessments/Reviews/Evaluations.” There were no findings identified.
  - Supported K-Basin Engineering in the development of performance criteria for the subcontract to convert the historical Cold Vacuum Drying Facility electronic records into a format for placement in the Integrated Document Management System.
  - Continued to support PFP and the CHPRC Respiratory Protection Program Administrator (RPPA) in the determination of the cause of their Mine Safety Appliance (MSA) breathing air hose coupling failure and development of acceptable solution.
  - Issued Office of Civilian Radioactive Waste Management (OCRWM) Deficiency Reports for all issues identified in the recently completed annual CHPRC OCRWM program audit.
  - Assisted the Canister Support Building (CSB) organization in the development of a resolution to the Multi Canister Overpack (MCO) “C” seals nonconformance report.
- Status of SHS&Q Focus Areas:
    - o **Issue:** Beryllium (Be) program assessment findings from DOE-HQ, Office of Safety, Health and Security Independent Oversight Inspection report.
    - o **Status:** Continued implementation of Revision 2A across CHPRC.
    - o **Action:** Beryllium facility assessments and characterization sampling were being conducted. Beryllium facility assessments have been completed on 829 CHPRC facilities. Additional personnel resources from Mission Support Alliance (MSA) were utilized for conducting Be assessments/characterization in Plateau Remediation Contract (PRC) facilities. Two additional subcontractors have been hired to support sampling and characterization efforts. DOE/RL has disbanded the Be CAP Product Committee and has released our HAMTC representative for deployment back to our projects.
    - o **Issue:** Accident & Injury Reduction
    - o **Status:** Continue investigating recordable, DART, and first aid injuries to determine cause, prevention, reduction, to prevent recurrence.
    - o **Action:** Continued to interface with project personnel, supporting Employee Zero Accident Council (EZAC) and project safety meetings for continued focus on injury prevention. Improved TRC/DART rate trends demonstrate that these efforts are being effective. Provided OSHA record keeping briefing to involved CHPRC personnel to explain how and why injury reporting complies with our contract and federal/state laws.
    - o **Issue:** PFP Value Engineering (VE) Initiatives Path Forward
    - o **Status:** Engaged PFP project personnel with SHS&Q central group SMEs.
    - o **Action:** Supporting PFP initiatives, supplied breathing air system implementation, new Non-Destructive Assay (NDA) equipment and process upgrades, and DSA Revision 12 development.

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

### Environmental Protection

- **Compliance Status**

- o On May 11, Washington Department of Health (WDOH) and Ecology notified RL it was placing the loss of continuous stack sampling at PUREX on the EPA High Priority Violation (HPV) list. CHPRC is developing an approach for minimizing follow-up enforcement actions that might be taken by the agencies.
- o A response to Ecology's inspection report that expressed concerns with the TSD permittee inspection program at 207-A South Retention Basin was prepared and provided to RL. RL sent this to Ecology on May 12, 2015.
- o A response to Ecology's B Plant RCRA inspection report was prepared and provided to RL. RL sent this to Ecology on May 12, 2015.
- o Kicked off a series of meetings with Ecology to discuss compliance issues.
- o Completed two "Compliance Forums" on DOE-wide regulatory challenges and regulator communications and relationships. Attendees included senior DOE-RL managers, senior CHPRC project environmental managers, Hanford environmental managers, and EP&SP staff.

- **RCRA Permitting Progress**

- o The final FS-1 closure plan was submitted by RL to Ecology on May 20. Progress continued with Ecology on the 207-A South Retention Basin draft closure plans.
- o Provided support to the site-wide Hanford Emergency Management Plan (HEMP) revision. However, the schedule for HEMP modifications to the Hanford Facility RCRA Permit continues to slip as issue discussions were delayed or rescheduled.
- o An informal agreement was reached with Ecology and EPA on the regulatory path forward for storage of sludge at T Plant. There will be no RCRA permit modifications, and an ESD to the ROD will be prepared. The agreement will be formalized.
- o WESF closure plan workshops continued with Ecology for resolution of comments on the draft plan.

- **Air Permitting**

- o An initial draft of the NOC for WESF ventilation system changes related to the closure of the WESF hot cells was prepared and distributed for CHPRC review.

### Environmental Compliance & Quality Assurance (ECQA)

- **Assessment Program**

Completed a management assessment ("Clean Sweep") of CHPRC compliance with environmental regulatory requirements (RCRA, CERCLA, and Air). The team of thirteen spent two weeks at Hanford, and included six members from CHPRC and representatives from WCH, PNNL, WRPS, CHPRC and RL. Corrective actions are being developed to address assessment findings, and a compliance margin improvement strategy is being developed.

### Business Services

- **Acquisition Planning**

- o Significant focus supporting the Acquisition Planning for the DOE Accelerated Work Scope initiative for TRU Repackaging, 100K Area AB Waste Remediation, Asbestos abatement, Sludge and PFP initiatives, including the following:
  - Developed a structured pricing model for option pricing on construction projects.
  - Completed the development of request for proposal (RFP) technical and pricing language for K-Basin Construction Work.
  - Completed the acquisition strategy for modification of the waste treatment master agreement to support the planned increase in TRU waste treatment services.

- Assisted in the identifying and implementation of a DOE strategic sourcing agreement for packaged gases.
- Developed the procurement concept for ad-hoc welding/testing support at the MASF facility.
- Developed the Acquisition Plan for the in-basin construction service work in support of the Engineered Container and Transfer System.
- Developed the procurement strategy and statement of work for the acquisition of temporary Radiological Control Technician support.
- Developed the acquisition strategy to support the on-going construction work at the Maintenance and Storage Facility.
- Developed the Acquisition Plan for the initial T-Plant equipment removal and installation work in support of the Sludge Treatment Project.
- **Facilities & Property Management (F&PM)**
  - o Transferred trailer MO180 to WRPS as part of reutilization objectives. Completed transfer paperwork May 21, 2015 and updated in the Sunflower Asset Management System (SAMS).
  - o Continued the 2015 CHPRC property inventory with the CHPRC property representatives. F&PM had completed locating 64 percent of 3,407 items through May. All reviewed property located.
  - o Initiated the transfer of Cesium/Strontium (CESTR) capsules from WESF to RL for borehole test program. Transfer documentation prepared and delivered to WESF for obtaining RL acceptance.
  - o FIMS Property Validation effort: two chillers needing cost validation at WESF transferred to WRPS.
  - o Started the process of excessing the PFP Liquid Nitrocision System mounted on a DOT trailer for reutilization. Temporarily on hold while gathering equipment and redeployment of equipment.
  - o Supplied all requested documentation for the FY2015 KPMG property audit. Field visit is the week of June 8, 2015.
- **Finance**
  - o Continued to reply to KPMG requests for data related to the ongoing FY2010-FY2013 incurred cost audits.
  - o May month end completed with no suspensions.
  - o Provided support for FY2015 Forward Pricing Rate audit by KPMG.
  - o Provided support to Internal Audit for the General Ledger Account Reconciliation audit.
  - o Continued to analyze potential training on overtime activities and associated costs prior to FY2014.
- **Human Resources (HR)**
  - o In May 2015, HR/Compensation completed a review process for Special Salary Adjustments to address retention and market competitiveness through the allocation of salary adjustment funds. Recognizing that some employee salaries may have been lagging the market in certain critical skills areas and job classifications, these adjustments were made to narrow and/or close market gaps, and allow salaries to be more market competitive. 202 employees were reviewed as part of this process, with 113 employees receiving salary adjustments.
- **Labor Relations**
  - o The arbitrator's decision was awarded in May in favor of the Company in regards to PRC-013-017 (AEDs). Additionally, the arbitration hearing for ruling on overtime hours in excess of 52 in a work week was heard on May 27 and May 28, 2015. This arbitration combined five grievances and held in abeyance approximately 30 others. A decision on this hearing is not expected until mid to late August.
  - o The union withdrew the following grievances during the month of May:
    - PRC-013-043 – Installation of Air Card
    - PRC-013-044 – Work Turndown

- PRC-013-045 – Work Contracted to Subcontractor
- PRC-014-064 – Recall Order of D&D Workers
- PRC-014-070 – Recalled RCT
- o Two grievances were requested for arbitration by the union during the reporting period:
  - PRC-014-121 – “On-call” Status
- o PRC-015-010 – Cancelled OT
- **Procurement**
  - o On May 12, 2015, CHPRC was presented with a letter of commendation for exceeding FY2014 strategic sourcing initiative goals. In FY2014 CHPRC achieved a savings amount of \$1.1 million, exceeding our FY2014 goal of \$500K by 220 percent. CHPRC’s efforts and commitment to strategic sourcing helped DOE-EM exceed its overall savings goal. In the letter, U.S. Department of Energy Consolidated Business Center (EMCBC) Federal Procurement Director, David H. Hess, stated, “CHPRC is highly commended for their valued support to the success of the EM Strategic Sourcing Initiative.”
  - o Awarded/amended 87 contracts with a total value of \$6.53 million. Additionally, awarded 126 new material purchase orders valued at \$472K to support ongoing project objectives.
  - o At the end of the first 80 months of the PRC, procurement volume has been significant; \$2.21 billion in contract activity has been recorded with approximately 51.23 percent, or \$1.13 billion, in awards to small businesses. This includes 6,875 contract releases, 18,840 purchase orders, and 221,983 P-Card transactions.
  - o Completed and issued one Advance Planning Document for review or approval associated with TRU waste.
  - o Contract 53920-5 was awarded on May 14, 2015, to Hiline Engineering for STP ECRTS Procurement Set 12 Oxygen Analyzer. The value of this contract is \$129,798.28. Award was made to the low price, technically acceptable offer.
  - o Business Services at Badger Mountain Day – On Saturday May 9, 2015, Cory Miller and Kyle Root organized the “Business Services at Badger Mountain Day”. Approximately 20 CHPRC Business Services employees as well as their family and friends volunteered to help perform maintenance/development on the trails at Badger Mountain.
  - o Contract 57111 was awarded on May 11, 2015, to GE Water & Process Technologies dba Zenon Environmental Corporation for the Zeeweed LEAPmbr cassettes for the 200W Pump-and-Treat Facility in the amount of \$790,000.00. Additional background information relevant to this solicitation includes: Initial CR was for the purchase of the Membrane Biological Reactor System for 200W Pump-and-Treat Facility. Due to excessive project costs (internal) it was determined to change the project path; the project was put on hold. In April 2014, the project was revamped to move existing cassettes to the empty slots in the current MBRs and to purchase upgraded Zeeweed LEAPmbr cassettes for the vacated MBR. This will increase the flow capacity which will eliminate the current bottleneck and meet the RL water treatment expectations/requirements without the excessive cost of an entire new MBR system.

### **Prime Contract and Project Integration (PC&PI)**

- **Contract Compliance and Change Management (CC&CM)**
  - o In May, CC&CM received and processed eight contract modifications (numbers 402-406, 409-411) from RL. Three of these MODS definitized change orders 248, 261 and 264, which were definitized after the 180 day metric. CHPRC provided the necessary documentation to allow negotiation within the 180 days. The Correspondence Review Team received and determined the distribution for 57 incoming letters/documents. The Prime Contracts Compliance Manager reviewed 30 outgoing correspondence packages.
  - o Submitted a Notice of Change for impacts to 200-IS-1 Operable Unit RI/FS Work Plan (letter CHPRC-1501953).

- o Issued proposal for PRC Section J, Attachment J.2 revision, letter CHPRC-1501455, dated May 18, 2015, to incorporate current document and revision numbers for Hanford Site Safety Standard documents.
- o Coordinated impact review and Issued Impact Analysis with Rough Order of Magnitude Cost Estimate for CRD O 474.2, Nuclear Material Control and Accountability (Estimate 1532) on May 26, 2015 (letter CHPRC-1501365A R2).
- o Definitized contract modification No. 403 for Change Order 240, which required CHPRC to investigate specified chemical lines and to perform chemical mitigation activities within PFP.
- o Worked with RL on making administrative adjustments to Section B (B.2) and Section J.11, to update contract terms to more accurately reflect the assignment of CLINs against the contract structure and Table B.4-1 to reflect adjustments and corrections not yet incorporated into a conformed version of the table. All changes were incorporated in contract modification No. 402.
- o Issued second quarter critical self-assessment for Performance Measure PM-00-1 to RL.
- o Received FY2014 Contractor Performance Assessment Report (CPAR) from RL and provided contractor comments.

#### Change Proposal/REA Summary

Change Proposals submitted on or ahead of due date	Request for Equitable Adjustments submitted	Supplemental Information submitted/ Tina Sweep	Change Proposals Definitized on or ahead of 180-day metric	Change Proposals Definitized after 180-day metric	Other Proposals/REAs Definitized
1	0	2	0	3	0

- o Estimating & Program Support (ESS) provided the following support to the Projects:
  - Plutonium Finishing Plant (PFP):
    - Completed the estimate in support of the Demolition Capital Asset Project and delivered results, including briefing on the estimate, on May 22, 2015.
    - Initiated work to develop a Rough Order Magnitude estimate in support of decision making for the removal of foundation slabs for 236-Z and 242 buildings. This information will be used by RL to make option decisions regarding the cost benefit or removing the slab as a continuation of the slab-on-grade demolition effort while demolition crews are available.
  - Sludge Treatment Project (STP):
    - Continued estimating efforts in support of the Capital Asset project ICE-EIR. Conducted additional scope meetings with project managers, control account managers, and subject matter experts. Added an additional corporate resource to supplement the estimating team on May 27, 2015.
  - Decommissioning, Waste, Fuels & Remediation Services (DWF&RS) Project:
    - Submitted proposal PRC 1535, Assignment of Waste Sites in Waste Information Data Systems, responding to the request from RL to assume the surveillance and maintenance of waste sites, on May 20, 2015.
    - Restarted the efforts to generate a Proposal and a Request for Equitable Adjustment for the transfer of the surveillance and maintenance responsibility for the 622-S Lysimeter and the 200 West 200-ZP-1 Process facility and ancillary buildings on May 12, 2015.
    - Initiated the effort to develop an REA for the packaging of the 231-Z-DR-11 Concrete Box on May 12, 2015. The REA is scheduled for delivery to RL in June of 2015.

- Received a Change Order from RL on May 29, 2015, requesting a proposal for the WESF K3 Ventilation and Stabilization Project Implementation. The kickoff meeting for this proposal will be held in June.
- Soil & Groundwater Remediation Project (S&GRP):
  - Received Modification 405, definitizing CO 261 Installation of Unloading Station at the 200 West Pump-and-Treat Facility, dated May 22, 2015.
  - Received Modification 406, definitizing CO 264, 200-UP-1 Uranium Treatment inside 200 West Pump-and-Treat, dated May 22, 2015.
  - Delivered responses to technical questions related to the proposal CP 030 1511, 200-UP-1 Southeast Chromium Plume, on May 21, 2015.
  - Delivered responses to technical questions related to the CO 266, 200-BP-5 OU construction and O&M of Transfer Pipelines, on May 27, 2015.
  - Initiated actions to respond to CO 268, Decommission of Cone Penetrometers and Soil Tubes at 1100-EM-1, on May 28, 2015. The request has a short turnaround request of June 12, 2015.
- Safety, Health, Security & Quality:
  - Received Modification 404, definitizing Change Order 248, Chronic Beryllium Disease Prevention Program, Revision 2A, dated May 22, 2015.
  - Developed and submitted an Impact Analysis for Contractor Requirements Document 474.2, Change 2, Nuclear Material Control and Accountability, on May 27, 2015.
- o Estimating & Program Support completed the following activities:
  - Combined the results of the cost analysis associated with the direction received from RL to self-perform sampling (formerly performed at WSCF) into a white paper entitled “Significant Cost Savings”, and delivered to RL on May 13, 2015. This estimate reflects the cost difference that will be experienced across the CHPRC through the end of FY2018.
  - Issued a request for proposal to the SAGE vendor to travel to the site and troubleshoot and identify issues, working with LMIT to resolve installation problems with the up revision of the software. The visit is planned for late June or early July 2015, depending on the availability of a subject matter vendor expert. The delay in implementing the software is impacting the evaluation of pushing the SAGE estimating software for project wide usage.
- **Earned Value Management System (EVMS) Compliance and Reporting**
  - o Supported review of the submittal to DOE-HQ OAPM for the Plutonium Finishing Plant (PFP) Capital Asset Project ICE review.
  - o Led the development of CHPRC’s response to the DOE-RL assessment is documented in A-15-ESQ-PRC-001, *DOE-RL Assessment of CHPRC PFP Project Performance and Controls*. This assessment included a Finding that CHPRC Corrective Action Logs and Variance Analysis Reports contain inaccurate and incomplete information. In response to this finding, EVMS C&R arranged to obtain the services of independent Earned Value Management Subject Matter Experts (SMEs) to come to the Hanford Site for 3 consecutive fiscal months to mentor CHPRC Control Account Managers (CAMs) and co-author Variance Analysis Reports (VARs) for Direct and Indirect CHPRC Level 4 Control Accounts (CAs) that exceed CHPRC cost and schedule variance thresholds. This action is intended to help improve the skills of CHPRC CAMs in generating monthly VARs and associated corrective actions that meet CHPRC and DOE requirements and expectations.
  - o Continued efforts to update CHPRC courses required by the recently issued CHPRC Earned Value Management Training Program Description as documented in PRC-STD-TQ-52996. Presentation of the updated courses is anticipated to begin in June.

- **Strategic Planning and Integration**

- **Interface Management**

- o Interfaces (Technical, Administrative and Regulatory):
      - Continued to facilitate resolutions regarding issues surrounding MSA/WRPS proposed site layouts for trailer/parking installations on or near CHPRC WIDS sites.
      - Ongoing review and update of the Hanford Site Interface Management Plan.
      - Facilitated One System requests for CHPRC reviews of ICD-3/15 Implementation Matrix reviews.
      - Participated in a second walk down of 207A South Retention Basin in support of planning for D&D of the basin. Coordination with WRPS is required and will involve drafting an interface agreement to document project schedules and competing priorities.
      - Facilitated CHPRC response to MSA regarding Unsecure Core Construction Repairs/Corrections.
      - Reviewed and tested new MSA resource scheduling software.
      - Elevated Fire System Maintenance Preventative Maintenance delays to MSA management to facilitate attention to several CHPRC grace period situations.
      - Facilitated flow of information required to support MSA Land Conveyance action in the North Richland area.
      - Provided field POC for communication with WRPS regarding traffic impacts on Akron Avenue due to CHPRC pump and treat transfer line crossing requirement. Resulted in site message regarding the temporary road closure.
      - Worked on response to WRPS regarding cost/estimates for Steam Line Surveillance, Maintenance, and removal activities.
    - o Annual Forecast of Services:
      - Continued development of FY2016 annual preliminary usage based services forecast. Working with projects and MSA to coordinate staffing highs/lows (Fleet, Motor Carrier and Crane & Rigging) for FY2016 planned scope.
    - o Inter-Contractor Issue Resolution:
      - Met with WRPS to discuss ventilation/industrial exposure issues at 222-S. Worked with POC on actions to mitigate large vehicle traffic and idling vehicles north of the labs.
      - Working with Hanford Fire Department, CHPRC Projects (SWOC/PFP), and CHPRC Work Control to improve communications, and streamline planning/corrective maintenance items.
      - Facilitated transmittal of a Contractor Interface Board multi contractor letter to DOE-RL/DOE-ORP addressing HPMC fixed hours of operation and impacts to on boarding site resources in an efficient manner.
      - Facilitating discussions between WRPS and CHPRC regarding review of the WIDS work for others SOW.
    - o Controlling and Service Agreements:
      - Published HNF-23474, Revision 2, Interface Control Document between CHPRC and Johnson Controls Inc., for Hazardous Energy Control.
      - Canceled CHPRC000415, Revision 2, AIA for use of Super-dump Equipment to Support CHPRC Waste Transportation and Disposal by Construction Forces between CHPRC and MSA.
      - Canceled CP-42979, Revision 1, AIA for MSA Motor Carrier Services and Fleet Maintenance Support to CHPRC “Ready to Serve” Waste Transportation and Disposal at the Environmental Restoration Disposal Facility between CHPRC and MSA.
      - Conducted first half of FY2015 Annual Document Reviews of CHPRC Administrative Interface Agreements.

- Conducted and completed FY2015 Annual Document Reviews of the CHPRC Interface Control Documents.
- HNF-48239, *Roles and Responsibilities for the Safeguards and Security Program AIA between CHPRC and MSA for Safeguards & Security Services* routing for review and comment.
- Started drafting AIA for 207A South Retention Basin
- TOC-AIA-PRC-00031 Revision 1, Operations Interface for Activities within or Adjacent to Nuclear Facilities, in process.
- In process items: Bio Controls AIA, Water ICD, and ERDF Leachate ICD (ERDF ICD on hold awaiting regulatory direction).
- Provided final acceptance to MSA regarding DOE proposed wording change to J.3-33 Analytical Services and J.3-89 Janitorial Services items.
- Continued efforts in supporting annual review of the J.3 Service Delivery Documents.
- o J.13/J.14 Tables:
  - Returned counter proposal in response to the WRPS request to transfer three waste sites to WRPS (24-S-302, 241-AZ-154, and 241-ER-311).
  - Provided ownership information of J.13 item, 622-S facility, to CHPRC project representatives.
- o Internal Operations:
  - Assigned and working CRRS item CR-2015-0924 addressing efficient communications between Hanford Fire Department and CHPRC facility work management representatives.
  - Facilitated communication of hours of operation change at the HAMMER facility.
  - Requested by WESF personnel to help evaluate need for interface agreement with MSA utility providers involved with WESF and other DWF&RS facilities.
  - Continued routine discussions with CHPRC equipment calibration lead regarding performance issues of the subcontractor providing calibrations services.
- **Information Management**
  - o Software testing of the Respiratory Protection Equipment Tracking automated system was completed. Equipment labeling and user training is currently underway. System roll-out is planned for mid-July.
  - o Provided IT, event logistics, and facilitation support to EZAC, President's Zero Accident Council (PZAC), and Leadership Impact Initiative training.
  - o Provided information clearance and release support for 100K, S&GRP, DWF&RS, SHS&Q and PTS documents.
  - o Provided numerous IT support requests for cellular phone issues/questions, meeting set-up, network connections, and printing.
  - o Processed 13,285 Electronic Records into the Integrated Document Management System (IDMS).
- **Performance Analysis & Risk Management Integration**
  - o Work continued on the development of the new Productivity Tracking Log (PTL). This log is intended to be a log to permit more effective identification, tracking, trending and implementation of productivity issues at both the project and company level. Demonstrations were provided to Facility Managers Forum and to the Productivity Users Team. A Beta version of the software is available in both a Test Area and a Live Area. The PTL is scheduled for full roll out in November of 2015.
  - o Continued revision of the Project Management and Risk Management suite of documents. Documents are being revised to more accurately implement requirements of DOE O 413.3B and other DOE contractual direction.

- o Led effort to staff and schedule an independent CH Corporate review of the Sludge Treatment Project CD-2/3 Cost Estimate and Schedule. The team will perform the on-site portion of the review on June 22 through June 25, 2015.
- o Completed a draft of the PFP Demolition Plan. The Plan is currently in the review/comment incorporation process.
- o Completed the Monthly Risk Updates for all CHPRC managed Projects.

### **Project Technical Services (PTS)**

- **Central Engineering**

- **Fire Protection Engineering**

- o Qualified one FPE and obtained two additional contractor FPEs (entered into PRC FPE qualification program).

- **Engineering Services**

- o Completed the final design review of the WESF Ventilation/Stabilization Project (W130).
    - o Assisted DWF&RS Engineering to identify proper piping connections to the new plastic clear well tank at the 100K water plant.
    - o Released a revision for review to Natural Phenomena Hazard (NPH) procedure CHPRC-PRO-EN-097 Rev.2, which incorporates requirements in DOE O 420.1C, Facility Safety.
    - o Assisted RL and ORP in selection of stored HEPA filters that will be tested at Mississippi State University to determine the impact of age on HEPA filter strength.

- **Engineering Standards/Programs**

- o Published the following DOE O 420.1C, implementing Procedure Changes:
      - PRD-RD-EN-1819, Rev 0-8, *CHPRC Engineering Requirements*
      - PRC-PRO-FP-40421, Rev 0-1, *Hot Work*
      - PRC-STD-FP-40404, Rev 0-4, *Fire Protection Program*

- **Procedures and Training**

- o Finished lesson plan and presentation materials for PFP DSA Revision 12 training.
  - o Completed Modes 3 and 4 procedure drafts for ECRTS.
  - o Consolidated five S&GRP alarm response procedures with one new response procedure (500-600 procedure pages were removed).

- **Operations Program**

- o Supported the MSA Kaizen on work planning and hazard analysis.
  - o Assisted DWF&RS with corrective actions related to fire system water tank inspections.
  - o Revised, approved and provided training on Work Management Overview course #180400.
  - o Supported CWC with correcting radio communications technical issues with all call system.
  - o Developed Fire Protection System Maintenance PM/S status report, and provided it to Work Control and Maintenance Managers.
  - o Supported CSB/Technical Security review of the Ownership Matrix at CSB.
  - o Completed field work portion of FY2015 EP Program Management Annual Assessment.

- **Project Delivery**

- **S&GRP Wells**

- BP-5 Transfer Line – Completed BP5 road crossing #124, and #123 and continued bonding of double-wall high-density polyethylene (HDPE).
    - UP-1 (YE25/26) transfer line – Completed electrical installation.
    - 100 Area well scope:

- Installed electrical distribution at wells HJ08 and HJ09
  - Bonding of 6" HDPE pipe at well HJ24 and HJ22
  - Completed electrical distribution at HE38 & HE39 (tie in pending)
- 100HX process building modifications
- Completed install of the 20,500 ft. fiber optic loop
- o **RAD Building Mods**
  - Continued installation of the system piping, and electrical distribution
  - Installation of the supply pump was completed
- o **DWF&RS Projects**
  - 189 Clearwell Tank installed and awaiting engineering drafting of piping configurations.
  - ERDF Transfer Line - Mobilization continued to be delayed pending the approval of ESD by EPA.
  - Preparation continued for the following roof work; 105KW, Annex roof sealing, CWC roof repairs, and REDOX.
- **T-Plant Construction**
  - o Continued constructability review comment resolution
  - o Continued development of the Scope of Work (SOW)
- **KW Annex Construction**
  - o Completed the Power Pole (K341) relocation.
  - o Continued the installation of the insulation on the HVAC ducting.
  - o Completed the construction of the change room.
  - o Completed the installation of the three hose-in-hose in the hose chase.
  - o Initiated the installation of the 2" shielding plate over the process hoses in the HIIH chase.
  - o Continued fire caulking of the ME/EE penetrations throughout the Annex.
  - o Continued welding/installation of the IXM piping in the load out bay.
  - o Completed and passed the pneumatic testing of the compressed air and instrument air systems.
  - o Completed to the holdbacks required due to the hose-in-hose installation of the stainless steel (AG-1) exhaust installation in the HEPA room to the Load Out Bay.
  - o Continued conduit and wire installation and initiated insulation resistance and continuity tests.
  - o Completed to the extent possible (due to holdbacks required for upcoming hose-in-hose installation) the stainless steel (AG-1) exhaust installation in the HEPA room to the Load Out Bay.

### Communications

- o Successfully and proactively promoted the Hanford cleanup progress. Newspaper and television mediums covered glovebox removal at the Plutonium Finishing Plant and groundwater cleanup progress at the 200 West Pump-and-Treat facility.
- o Supported the Department of Energy's Hanford Advisory Board River and Plateau Committee Meeting. The meeting featured briefings on cleanup inside the Plutonium Finishing Plant's McCluskey Room and groundwater remediation progress.
- o In support of the Hanford public tour season, Communications hosted eight public tours at the 200 West Pump-and-Treat facility, positive feedback was received from tour guides. In addition, Communications supported RL tours with Congressman Dan Newhouse and RL Acting Assistant Secretary for Environmental Management Mark Whitney. The officials toured CHPRC Projects such as the STP and the WESF.

## 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%	(0.0)	-27.9%
Internal Audit	0.1	0.1	0.1	0.0	0.0%	(0.1)	-109.9%
General Counsel	0.1	0.1	0.1	0.0	0.0%	0.0	9.4%
Communications	0.1	0.1	0.1	0.0	0.0%	(0.0)	-13.6%
Safety, Health, Security and Quality	1.1	1.1	0.9	0.0	0.3%	0.2	17.2%
Environmental Program and Strategic Planning	0.3	0.3	0.3	0.0	0.0%	0.0	7.9%
Business Services	1.5	1.5	1.6	0.0	0.0%	(0.1)	-5.0%
Prime Contract and Project Integration	1.6	1.6	1.5	0.0	0.0%	0.1	7.8%
Project Technical Services	0.6	0.6	0.5	(0.0)	-2.0%	0.1	9.4%
<b>Indirect WBS 000 Total</b>	<b>5.5</b>	<b>5.5</b>	<b>5.3</b>	<b>(0.0)</b>	<b>-0.2%</b>	<b>0.2</b>	<b>-4.0%</b>

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: (\$0.2M/4.0 %)**

Variance is within reporting thresholds.

## Fiscal Year-to-Date (FYTD) (\$M)

WBS 000 Project Services and Support	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)
Office of the President	1.1	1.1	1.3	0.0	0.0%	(0.2)	-17.4%	1.7
Internal Audit	0.4	0.4	0.8	0.0	0.0%	(0.3)	-81.3%	0.7
General Counsel	0.8	0.8	0.7	0.0	0.0%	0.1	12.9%	1.2
Communications	0.6	0.6	0.8	0.0	0.0%	(0.1)	-17.6%	1.0
Safety, Health, Security and Quality	8.9	8.9	7.7	(0.0)	-0.1%	1.3	14.1%	13.9
Environmental Program and Strategic Planning	2.8	2.8	2.7	0.0	0.0%	0.1	2.1%	4.3
Business Services	12.0	12.0	12.3	0.0	0.0%	(0.3)	-2.8%	16.2
Prime Contract and Project Integration	13.1	13.1	12.1	0.0	0.0%	1.0	7.4%	20.4
Project Technical Services	4.7	4.6	4.7	(0.0)	-0.5%	(0.1)	-1.3%	7.3
<b>Indirect WBS 000 Total</b>	<b>44.4</b>	<b>44.4</b>	<b>43.0</b>	<b>(0.0)</b>	<b>-0.1%</b>	<b>1.3</b>	<b>3.0%</b>	<b>66.7</b>

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: (+\$1.3M/+3.0 %)**

Variance is within reporting thresholds.

### Baseline Change Requests

BCR-000-15-002R0 – *Deletion of Electronic Time Keeping Verification System Scope – April 2015*

BCRA-PRC-15-038R0 – *HPIC Updates – May 2015*

BCR-PRC-15-037R0 – *Undistributed Budget Adjustments – May 2015*



## RISK MANAGEMENT STATUS

**Unassigned Risk**  
**Risk Passed**  
**New Risk**  
**Change**

-  Mitigation efforts are currently working toward, or after risk trigger with no foreseeable
-  Mitigation efforts are currently working toward risk trigger with the possibility of actions not in place prior to risk occurrence. Recovery actions may be needed.
-  Risk mitigation efforts are past risk trigger date with foreseeable impacts. Recovery actions needed.

-  Increased Confidence
  -  No Change
  -  Decreased Confidence
- \*Red arrow indicates realized risk  
\*Green arrow indicates realized opportunity

Risk Title Risk Owner	Unmitigated Risk Impacts	Assessment		Comments		
		Month	Trend			
<b>Executive Level Risks</b>						
<b>Explanation of major changes to the project monthly spotlight chart:</b> No major changes to the risk profile for the month of <i>May</i> .						
<b>Realized Risks</b> (Risks that are currently impacting project cost/schedule)						
PRC-022: Higher Than Anticipated Attrition	Risk is avoided as planning sequenced activities to eliminate the potential threat. <b>Risk Handling Strategy:</b> Avoid  <b>Probability:</b> Likely (75% to 90%) <b>Worst Case Impacts:</b> \$5M, 40 days		<b>Risk Event:</b> CHPRC continues to experience higher than anticipated attrition for FY2015.			
			<b>Risk recovery action(s)</b>			
			Implement salary increase fund	FY2015	FC Date	%
			Proposed PFP incentive program		Complete	100
			Draft retention and recruiting plan investment for FY2015.		06/30/15	35
Develop/implement CHPRC People Legacy Program.		On-Going	N/A			
<b>Recovery Action Assessment:</b> Risk recovery date slipped one month; however, this does not result in additional impacts. CHPRC continues to increase recruitment, and analysis of comparable markets for salary competitiveness. Potential problems exist pending funding profiles for other site contractors. No alternative course of actions needed at this time.						
<b>Critical Risks</b> (Severe impact to ultimate goals/objectives. Enforceable or incentivized milestone completion missed)						
No critical risks identified in the month of <i>May</i> .						
<b>High Risk Threat Value</b> (Recoverable slip to enforceable or incentivized milestone)						
No high threat value risks identified in the month of <i>May</i> .						
<b>Unassigned Risks</b> (Pending ownership of identified risks/opportunities)						
CHPRC will conduct internal reviews to ensure risks are still valid. In cases where risk has passed/or is no longer valid CHPRC will no longer report, and close the risk in the database. In the event risk are still valid ownership will need to be established to further identify and address potential impacts to project cost and schedule. There are cases when risks are identified but are outside the control and management of the contractor. However, CHPRC risk management process identifies all risks that could impact overall project success.						

## 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.