



J. C. Fulton
President and Chief
Executive Officer

Monthly Performance Report

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EXECUTIVE SUMMARY

- CHPRC completed the last shipment of highly radioactive Knock-Out Pot (KOP) sludge from the K West Reactor Basin to safe storage at the Canister Storage Building (CSB) on the Central Plateau (CP). Remaining K Basin sludge is captured in six engineered containers to be removed by FY2016.
- The Engineered Container Retrieval and Transport System (ECRTS) Process System Final Design Report was completed and approved, another step forward in preparing for the last phase of the sludge retrieval process.
- CHPRC completed the second and final phase of workforce restructuring with the issuance of Involuntary Reduction of Force (IROF) notifications on September 17.
- A new Ethics intranet site was launched, providing CHPRC employees with resources to help employees report questions and concerns and make decisions when faced with ethical dilemmas. The site includes a Just Ask mailbox, posters, and the CH2M Hill codes of business ethics and conduct.



Workers celebrate the last Multi-Canister Overpack shipment of Knock-Out Pot sludge.



Workers are preparing a large glovebox for removal from the Plutonium Finishing Plant

- The Plutonium Finishing Plant Closure (PFP) team reached 75 percent complete in glovebox removal, having removed 175 of 232 gloveboxes. The team is preparing to disposition glovebox HA-23S, one of the largest the team has worked with to date.
- The Decommissioning and Demolition (D&D) crews continued work along the river corridor, completing load out of the 183.7 and 183.2 structures on the KE Sedimentation Basin.

Focus on Safety

- The September 2012 President's Zero Accident Council (PZAC) meeting was hosted by the Safety, Health, Security & Quality organization. The theme for the meeting was the Changing Environment, which was supported by three main ideas:

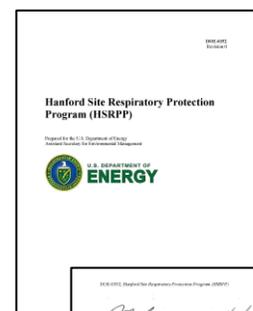
- o Emergency Preparedness
- o Winter Preparations
- o Flu Clinics



As always, the PZAC meeting began with a heart-pounding Stretch and Flex session to get the audience's collective blood flowing. A representative from the site occupational medical contractor provided an educational presentation titled *Cardiac Emergency Preparedness: Act in Time*. The presentation provided information on the signs, risk factors, and proper responses to heart attacks and strokes. A mini quiz at the end of the presentation caused the crowd to palpitate but drove home salient points about the techniques needed to care for a victim. An interactive presentation on the changing environment recapped the sizzling success of CHPRC summer safety initiatives and transitioned to the cold reality of preparing for winter safety. Good news stories highlighted A Million Acts of Safety, an injury reduction initiative sponsored by the National Safety Council and implemented at the Decommissioning, Waste & Fuels, and Remediation Services Project. The intent of the initiative was to maintain focus on jobs and surroundings and document good safety habits. Over 4,700 good safety habits were annotated and shared over the month long duration of the campaign. Employees were encouraged to consider obtaining a flu shot in preparation for the upcoming winter season and the locations and times of the 2012 Hanford Worksite Flu Clinics were provided. The PZAC meeting ended with presentations on the CHPRC injury and illness performance, the Environmental Management System, and the Voluntary Protection Program (VPP) status and summary of the annual conference.

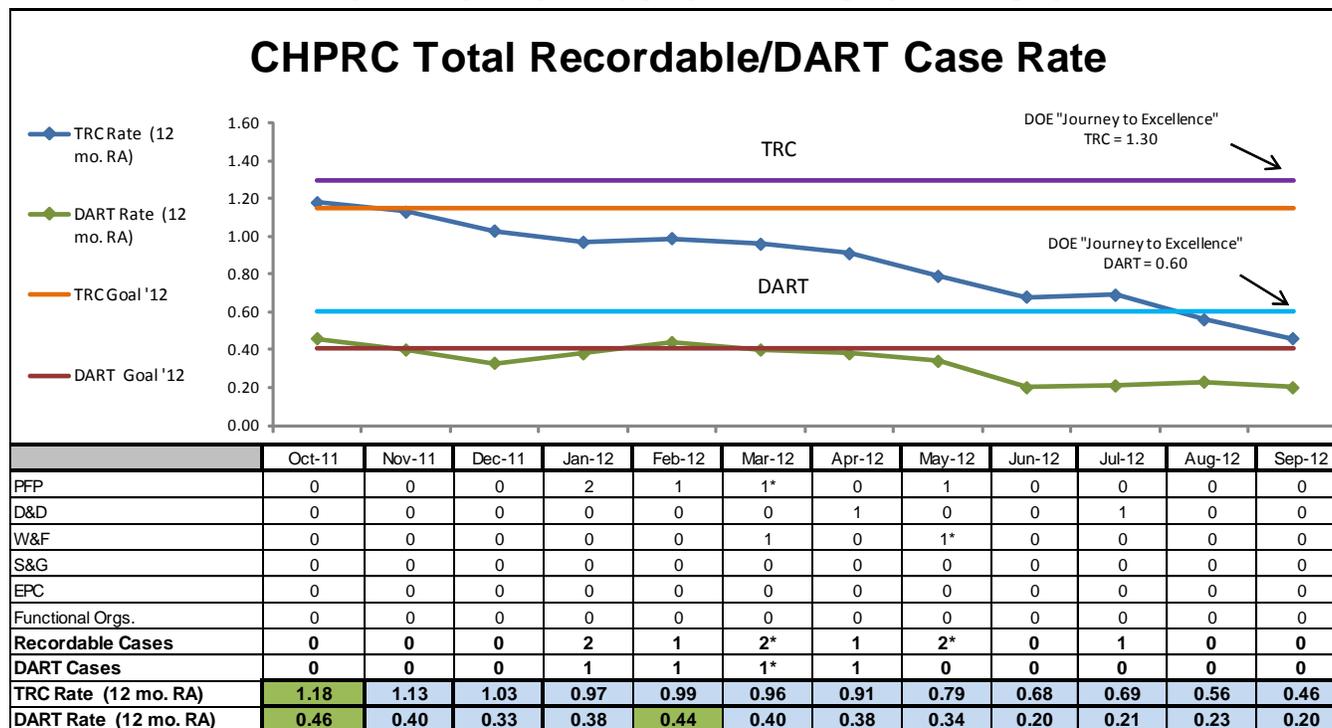


- Two *Special Safety Bulletins* on Hazardous Chemicals and Air Quality Status were circulated to address real-time issues and four "*Thinking Target Zero*" bulletins were published in September to communicate vital industrial and seasonal safety and health messages:
 - o Changing Environment
 - o Emergency Exits
 - o Hand and Finger Injury Prevention
 - o Avoiding Deer & Elk
- September *Weekly Safety Tailgate* briefing packages informed the workforce about relevant topics and safety communications:
 - o Focus on Safety Following the Long Labor Day Weekend
 - o 5 Things to Help You Recognize a Changed Condition (culled from a DOE complex Lessons Learned)
 - o Beryllium Program Update
 - o Recycling Hazardous Materials From Your Home
 - o New Hanford Site Respiratory Protection Program Update and Implementation Plan
 - o 2012 Hanford Worksite Flu Clinics
 - o Hazardous Chemicals
 - o Preparing for Drive Safely to Work Week
 - o Summaries of injuries, illnesses, and close calls



TARGET ZERO PERFORMANCE September 2012

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

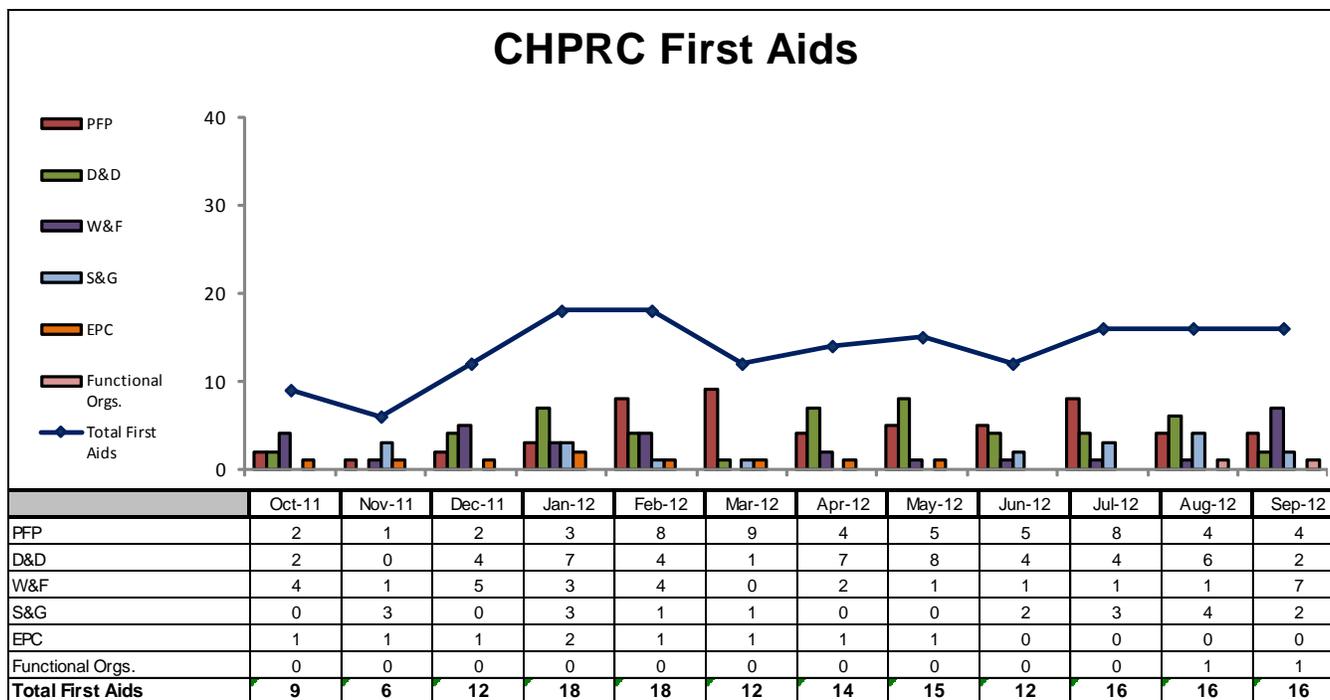


Total Recordable Injury Case (TRC) Rate – The 12 month rolling average TRC rate of 0.46 is based upon a total of nine recordable injuries. There were no Recordable cases in September 2012.

Days Away, Restricted or Transferred (DART) Workdays Case Rate – The 12 month rolling average DART rate of 0.20 is based upon a total of four cases (one Restricted, three Day Away Cases). There are two cases under review requiring additional information.

NOTE: DOE-EM have revised their TRC rate goal to 1.1, while the DOE-EM DART rate goal is unchanged (0.6) for FY2013.

* The monthly numbers indicated in the chart are updated to reflect the month in which the injury occurred. The rates also capture any changes resulting from reclassified cases or those added as a result of completed investigations.



First Aid Case Summary – CHPRC reported 16 first-aid cases in September 2012. The biggest contributors were nine strains, sprains, and/or pains from awkward positions or overexertion, three insect bites, and two abrasions/contusions from contact/being struck by an object. The other injuries were varied.

KEY ACCOMPLISHMENTS

Projects

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

Project Services and Support

- o 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.

METRICS

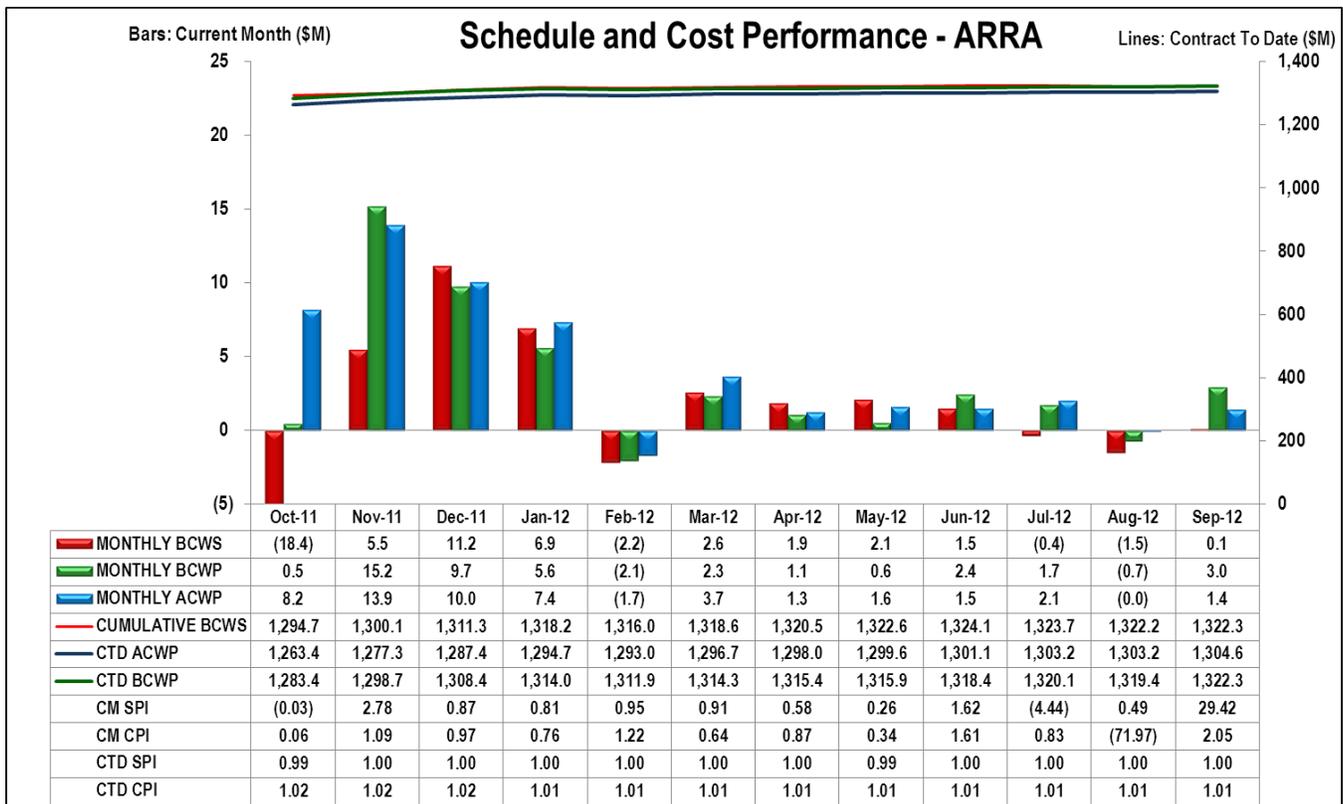
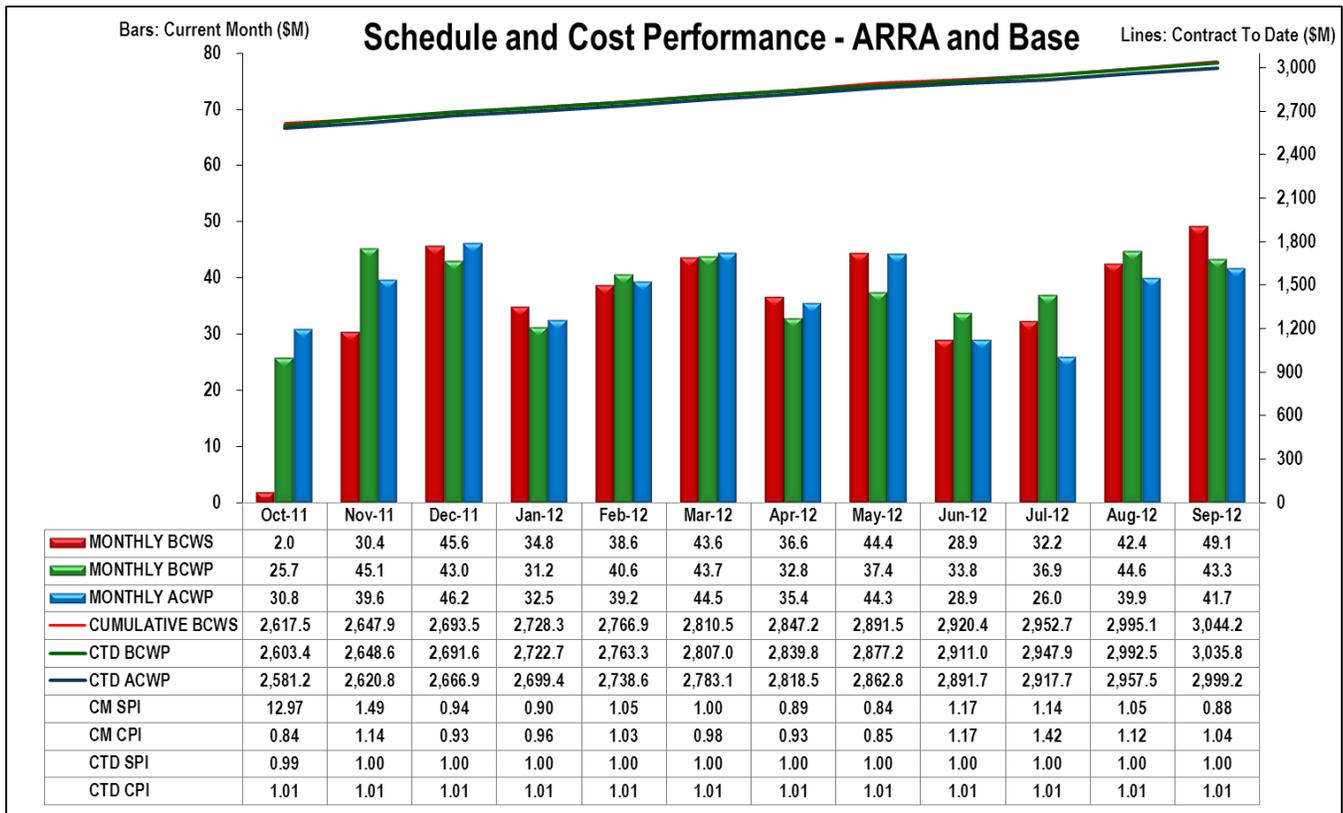
ARRA

Sub-Project	KPP	Key Metric	Unit of Measure	Cumulative through September 25, 2012
Plutonium Finishing Plant D&D	Building 234-5Z Process and Laboratory areas ready for demolition	Glove boxes removed from 234-5Z	# Glove boxes	143
		Low-level waste removed from PFP	m3	3,066
		TRU waste removed from PFP	m3	788
	20 Ancillary buildings ready for demolition	Ancillary facilities/structures and fuel vaults ready for demolition	# facilities	31
U-Plant/Other D&D	Complete deactivation, decontamination, decommissioning, and demolishing (D4) of 16 facilities	Nuclear facilities completed	# facilities	2
		Industrial facilities completed	# facilities	18
		Radiological facilities completed	# facilities	5
		Facility placed in cold and dark/demolition ready	Sq. feet	227,997
		Facility dispositioned	Sq. feet	235,060
	ARRA RL-0040.R1.1 U Plant/Other D&D	D&D Debris	m3	42,051
ARRA RL-0040.R1.4 Asbestos Abatement	D&D Debris	m3	39	
100K Area Remediation	ARRA RL-0041.R1.1 100 K Area Remediation	D&D Debris	m3	351,170

Base Metrics

Measure/Units	PBS	1st Qtr	2nd Qtr	3rd Qtr	Jul	Aug	Sep	4th Qtr	FYTD	Contract-To-Date
Nuclear Facility Completions (# of facilities)	11/40/41	0	0	2	0	0	0	0	2	2
Radiological Facility Completions (# of facilities)	11/40/41	0	1	0	0	1	1	2	3	9
Industrial Facility Completions (# of facilities)	11/40/41	0	0	1	0	0	1	1	2	43
Remediation Complete (# of release sites)	40/41	5	0	0	8	0	6	14	19	26
PRF Canyon Pencil Tanks Removed	11	10	50	15	0	0	5	5	80	95
MultiCanister Overpacks Shipped	12	0	0	1	0	0	0	0	1	1
Settler Tubes Retrieved	12	0	0	0	0	0	0	0	0	10
Knock Out Pot MCOs Shipped	12	0	0	0	1	3	1	5	5	5
Sludge Transportation & Storage Canisters Shipped	12	0	0	0	0	0	0	0	0	0
CH Transuranic Waste shipped for disposal at WIPP (cubic meters)	13	0	0	0	0	0	0	0	0	0
Low level and Mixed Low-Level Waste Disposal (cubic meters)	13	0	0	0	0	0	0	0	0	2,885
WESF K3 Filter Measurements	13	3	3	3	1	1	1	3	12	24
SW Ops Complex Container Inspections	13	13	13	13	4	5	4	13	52	104
Contaminated Groundwater Treated (million gallons)	30	303	287	292	103	110	106	320	1201	3,175
Preventive Maintenance Packages Completed	40	100	89	163	28	28	30	86	438	913

EARNED VALUE MANAGEMENT



	\$M					\$M					Contract Period			
	Current Period					Contract to Date								
	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	14.1	10.4	9.7	(3.7)	0.7	534.7	526.3	539.1	(8.4)	(12.7)	894.4	888.7	5.6	
RL-0012 - SNF Stabilization & Disposition	10.5	8.3	8.5	(2.2)	(0.2)	332.0	328.4	329.3	(3.6)	(0.9)	541.1	531.5	9.6	
RL-0013 - Solid Waste Stab & Disposition	9.0	9.0	7.2	0.0	1.7	702.4	702.1	694.5	(0.3)	7.6	1,412.9	1,404.4	8.6	
RL-0030 - Soil & Water Rem-Grndwtr/Vadose	10.4	10.8	12.2	0.4	(1.4)	806.4	808.3	812.2	1.9	(4.0)	1,499.4	1,499.9	(0.5)	
RL-0040 - Nuc Fac D&D - Remainder	1.5	1.3	1.6	(0.2)	(0.2)	364.4	364.2	338.2	(0.2)	26.1	648.8	622.8	26.0	
RL-0041 - Nuc Fac D&D - RC Closure Project	3.4	3.3	2.2	(0.2)	1.1	290.5	292.6	273.8	2.1	18.8	517.4	503.5	13.9	
RL-0042 - Nuc Fac D&D - FFTF Project	0.2	0.2	0.3	(0.0)	(0.1)	13.8	13.8	12.2	0.0	1.6	26.2	24.6	1.6	
(Numbers are rounded to the nearest \$0.1M)	Total	49.1	43.3	41.7	(5.8)	1.6	3,044.2	3,035.8	2,999.2	(8.4)	36.6	5,540.1	5,475.4	64.7

Performance Summary

The Project continues to track completion of contract scope within budget and is currently projecting a Variance at Completion of \$64.7M with \$108.3M of Management Reserve for a total positive variance of \$173M. Significant risks remain in the completion of the Plutonium Finishing Plant (PFP) where aged systems and increased contamination have impacted cleanup.

Reversal of recent positive trends in schedule and cost performance primarily resulted from unfavorable September schedule variance in two projects:

- RL-0011 PFP Closure Project due to performance earned in prior periods on work planned in this month (procure SLB2 containers, PFNW treatment and size reduction of TRU gloveboxes), delays in 234-5Z glovebox removal and process piping removal resulting from stop work on beryllium-related scope, actions required to respond to and mitigate rapid increase in worker radiological dose in Room 235A-2, and more complex or time-consuming scope, or resource availability, and
- RL-0012 Sludge Treatment Project due to delays to Annex Construction attributed to design changes and a slow start on construction activities by the contractor, KOP work completed ahead of schedule with BCWS being realized in the current month, and delays in completing ECRTS final design due to the large number of technical review comments that required resolution.

Cost performance in September reflects favorable cost variance in RL-0013 due to credits for labor rates, MSA rates, and WFO allocations below plan and in RL-0041 due to waste site volumes below plan, coupled with MSA usage less than anticipated. Those favorable cost variances were partially offset by an unfavorable cost variance in RL-0030 due to the 200W P&T project experiencing higher than planned costs for completion of punchlist items, operations requests for changes, contract closeout and additional contractor claims.

FUNDING ANALYSIS

FY2012 Funds vs. Fiscal Year Spend Forecast (\$M)

PBS	Project	FY2012		
		Total Funding	Actual Cost	Variance
RL-0011	Nuclear Materials Stabilization and Disposition	33.4	33.4	0.0
RL-0013	Waste and Fuels Management Project	4.6	4.6	0.0
RL-0030	Soil, Groundwater and Vadose Zone Remediation	0.6	0.5	0.0
RL-0040	Nuclear Facility D&D, Remainder of Hanford	9.2	9.2	0.0
RL-0041	Nuclear Facility D&D, River Corridor	6.5	6.5	0.0
Total ARRA:		54.2	54.2	0.0
RL-0011	Nuclear Materials Stabilization and Disposition	92.9	87.0	5.9
RL-0012	Spent Nuclear Fuel Stabilization and Disposition	87.7	84.0	3.7
RL-0013	Waste and Fuels Management Project	85.3	81.6	3.7
RL-0030	Soil, Groundwater and Vadose Zone Remediation	125.5	123.4	2.2
RL-0040	Nuclear Facility D&D, Remainder of Hanford	11.7	11.0	0.7
RL-0041	Nuclear Facility D&D, River Corridor	34.6	28.9	5.7
RL-0042	Fast Flux Test Facility Closure	2.0	1.7	0.3
Total Base:		439.8	417.7	22.1

Funds/Variance Analysis:

Base funding reflects FY2011 carryover funds of \$42.2M. Final year-end funding obligations of \$4.3M increased FY2012 expected new budget authority from \$393.3M to \$397.6M, for FY2012 total funding of \$439.8M.

BASELINE CHANGE REQUESTS

In September 2012, CHPRC approved and implemented six (6) BCRs, two of which were administrative. Each change request is identified in the table below:

Change Request #	Title	Summary of Change
Implemented into the Earned Value Management System for September 2012		
BCR-011-12-005R0	<i>PFP ARRA-Base Scope-Funds Alignment</i>	<p><u>ARRA Control Account 011.05.01.01 – Transition 234-5Z RMA/RMC Line:</u> Scope and budget for work remaining on activities currently coded as ARRA are being transferred from the ARRA-funded work package to the Base-funded work package, to align with remaining ARRA funds.</p> <p><u>Base Control Account 011.05.01.01 - Transition 234-5Z RMA/RMC Line:</u> Activities that were completed ahead of schedule utilizing ARRA funds but were planned under the Base WBS elements are being coded as ARRA.</p> <p><u>Base Control Account 011.05.01.13 – Manage and Dispose of PFP Solid Waste:</u> Characterization scope is being deferred as a result of FY2012 reduced funding and workforce restructuring impacts. Funding targets and work force restructuring, impacts to the PFP Project priorities and/or initiatives have caused areas being worked in FY2012 (i.e., PFP Characterization Activities) scheduled to be initiated late in FY2012 to be deferred and executed later in the contract period.</p> <p><u>Management Reserve Control Account 011.99.02.21:</u> This BCR results in a change of \$17.4K which is being moved into Management Reserve to maintain contract alignment.</p>
BCR-011-12-006R0	<i>PFP CVS Maintenance and 2712-Z Facility Modification</i>	<p>Scope: Complete repairs and modifications to 291-Z exhaust fans or motors (Confinement Ventilation System major equipment), to include investigation of failed exhaust fans or motors, inspection and repair of exhaust fans or motors and fan inlet dampers, and vibration monitoring and reduction. Implement enhanced fan vibration monitoring and bearing maintenance programs. The PFP Confinement Ventilation System (CVS) is an accredited vital safety system and must be maintained. The system is beyond its design life and requires significant corrective maintenance. Reinforce the floor of 2712-Z Stack Monitoring Enclosure. The floor supports for 2712-Z became corroded over the years and create a personnel safety issue. Repair of the floor supports is required to ensure continued personnel access to 2712-Z and operability of the airborne sampling equipment. Also includes contractor personnel training at HAMMER.</p> <p>Schedule: Repairs and modifications to the 291-Z exhaust fans or motors and 2712-Z stack monitoring enclosure floor supports are being added to the PFP baseline in order to mitigate the risk associated with Aging PFP Facilities (PFP-009 “Aging Building Systems/Components Problems Impact Planned D&D Activities”)</p> <p>Budget: Increase in budget values drawn down from Management Reserve to mitigate costs associated with this recognized risk.</p>

Change Request #	Title	Summary of Change
BCR-012-12-004R0	<i>100KW Annex Incorporation of Design Changes and Associated Title 3 Support</i>	<p>This BCR represents realized risks against the Annex Construction Project. The realized risks have resulted in revised estimates for the following:</p> <p>Design Changes (WBS 012.16.02.06.01.02) - Requests for Clarification/Information (RCIs) from the construction contractor have resulted in design change notices (DCNs) which represent a realization of risks STP-ANX-001, Annex Subcontract Change Orders/Claims, and STP-ANX-008, Annex Design and ECRTS Requirements Changes. Management Reserve utilization is appropriate to address the design change requests identified to date. (Risk: STP-ANX-001)</p> <p>Contractor Claims resulting from the Areva submitted design used for contract proposal and the final Issued for Construction (TFC) design (WBS 012.16.02.06.01.02) - On May 21, 2012, CHPRC completed IFC design and subsequently issued drawings to the construction contractor. As background, the primary construction contract for this work scope, which forms the basis for the current budget, was issued May 8, 2012, based upon the Areva submitted design. The major changes associated with the issued IFC drawings have now been substantiated and the cost impacts identified (potential changes can still be incurred as IFC scope is constructed in the field). Specific areas addressed are mechanical, electrical, engineering, project management, process controls, sheet metal, and structural. The estimated total budget for these activities is based upon negotiated values with the contractor, estimates from the contractor, and estimates developed internally within CHPRC. (Risk: STP-ANX-001/008)</p> <p>Impact of QL3 to QL 2 designation on certain design elements (WBS 012.16.02.06.01.02) - impacts from the change Building Safety Significant QL3 to QL2 (August 2012) have been quantified and included in this BCR. (Risk: STP-ANX-001/008)</p> <p>Title III cost increase (WBS 012.16.02.06.01.04) – and increase in Title 3 support resources (July 2012) is driven by the correction of design errors, change in design from QL3 to QL2, additional procedures (June 14, 2012) and changes with IFC. With these impacts the representative budget/estimate for Title III efforts is quantified. (Risk: STP-ANX-008)</p> <p>Additional Procedures (WBS 012.16.02.06.01.02) – additional procedural requirements have been added to the contract. The cost impact of the contractor complying with these additional procedures has been quantified in this BCR. (Risk: STP-ANX-001)</p> <p>Add new activities: PMB RL012.16.02.06</p> <ul style="list-style-type: none"> • 12.16.02.06.0200 - IFC Design– FY2012 • 12.16.02.06.0202 – Design Change Notices - FY2012 • 12.16.02.06.0204 – Title 3 Design Change Support – FY2012 • 12.16.02.06.0206 – Procedure Additions – FY2012 <p>Added budget for revised estimates related to realized risks for STP-ANX-001- Annex Subcontract Change Orders / Claims and STP-ANX-008 – Annex Design and ECRTS Requirement Changes.</p>

Change Request #	Title	Summary of Change
BCR-040-12-007R0	<i>Central Plateau Surplus Steam Lines Surveillance</i>	<p>ADD: The purpose of this BCR is to definitize the instructions communicated to CHPRC in DOE correspondence letter 1203595 consistent with Contract Modification 239.</p> <p>Consistent with the letter, CHPRC is assigned landlord responsibility (including long-term surveillance and maintenance) of the surplus steam lines within the Central Plateau and its associated underground injection wells (UICs). As part of on-going surveillance, the contractor shall inspect all Central Plateau 200 Area Hanford Site, above-ground, surplus steam lines up to facility and fence line boundaries of operating facilities, and identify any asbestos exposure and determine any threat to workers or the public.</p> <p>Schedule: Fiscal Year 2012 activities added as a result of this DOE direction are:</p> <ol style="list-style-type: none"> 1. Asbestos training for the associated scope. <p>Fiscal Year 2013 activities added as a result of this DOE direction are:</p> <ol style="list-style-type: none"> 1. Asbestos inspection 2. Asbestos inspection report. <p>Fiscal Year 2016 activities added as a result of this DOE direction are:</p> <ol style="list-style-type: none"> 1. Asbestos inspection 2. Asbestos inspection report. <p>Budget: As such, this BCR adds an additional \$51,908 in Budgeted Cost of Work Scheduled (BCWS), authorized by DOE for the Asbestos Training, Asbestos Inspection and Asbestos Inspection Report Activities.</p> <p>This brings to total to \$106.9K as a result of the definitization of Change Order 174. Activities are coded as CLIN 3, with \$5.4K in associated fee.</p>

Overall the contract period performance measurement baseline (PMB) budget is increased by \$2,349.8K in September 2012.

Management Reserve Activity

BCR Number	Title	Fiscal Year	MR (ARRA)	MR (Base)
BCR-011-12-005R0	<i>PFP ARRA-Base Scope-Funds Alignment</i>	2012 2013 2014	N/A	-\$662.2 \$749.9 -\$70.3
BCRA-PRC-12-019R0	<i>FY2012 B.4 Table/Fee Alignment and M/R Adjustment</i>	2012 2013	N/A	-\$23,015.9 \$23,015.9
BCR-011-12-006R0	<i>PFP CVS Maintenance and 2712-Z Facility Modification</i>	2012 2013	N/A	-\$63.1 -\$474.7
BCR-012-12-004R0	<i>100KW Annex Incorporation of Design Changes and Associated Title 3 Support</i>	2012 2013	N/A	-\$194.8 -\$1,578.9
Overall MR Change in September 2012 decreased -\$2,294.1K				

Fee Activity

BCR Number	Title	Fiscal Year	Fee (ARRA)	Fee (Base)
BCRA-PRC-12-019R0	<i>FY2012 B.4 Table/Fee Alignment and M/R Adjustment</i>	2012	\$552.2	-\$581.4

See the Format 3 Report in Appendix A and A-1 for a complete listing of the specific change requests and the impact on the PMB budget by fiscal year. The change to the Estimated Contract Price, if all authorized, unpriced work scope were definitized at the PMB values of change requests processed in September 2012, would be an net increase of \$26.5K and is summarized by fiscal year in the tables below (dollars in thousands, negative number represents reduction):

September 2012 Summary of Changes

	FY2009	FY2010	FY2011	FY2012	FY2013	FYs 2009-2013	FYs 2014-2018	Contract Period Total	Post Contract Total	Total PMB
<i>August 2012 Estimate</i>										
PMB	653,426.0	960,017.3	1,002,104.8	426,189.2	492,432.5	3,534,169.8	2,003,606.6	5,537,776.4	0.0	5,537,776.4
MR	0.0	0.0	0.0	23,935.9	8,559.1	32,495.0	78,063.1	110,558.1	0.0	110,558.1
Fee	39,712.0	48,772.3	32,322.0	17,051.9	24,694.9	162,553.1	76,346.5	238,899.6	0.0	238,899.6
Total	693,138.0	1,008,789.6	1,034,426.8	467,177.0	525,686.5	3,729,217.9	2,158,016.2	5,887,234.1	0.0	5,887,234.1
<i>Change by Funding Source in September 2012</i>										
PMB										
ARRA										
All ARRA WBSs	0.0	0.0	0.0	-748.5	0.0	-748.5	0.0	-748.5	0.0	-748.5
Base										
All Base WBSs	0.0	0.0	0.0	3,247.5	-249.7	2,997.8	100.5	3,098.3	0.0	3,098.3
Change to PMB	0.0	0.0	0.0	2,499.0	-249.7	2,249.3	100.5	2,349.8	0.0	2,349.8
MR										
ARRA										
All ARRA WBSs	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Base										
All Base WBSs	0.0	0.0	0.0	-23,935.9	21,712.1	-2,223.8	-70.3	-2,294.1	0.0	-2,294.1
Change to MR	0.0	0.0	0.0	-23,935.9	21,712.1	-2,223.8	-70.3	-2,294.1	0.0	-2,294.1
Fee										
ARRA										
All ARRA WBSs	0.0	0.0	0.0	552.2	0.0	552.2	0.0	552.2	0.0	552.2
Base										
All Base WBSs	0.0	0.0	0.0	-581.4	0.0	-581.4	0.0	-581.4	0.0	-581.4
Change to Fee	0.0	0.0	0.0	-29.2	0.0	-29.2	0.0	-29.2	0.0	-29.2
Total Change	0.0	0.0	0.0	-21,466.1	21,462.4	-3.7	30.2	26.5	0.0	26.5
<i>September 2012 Estimate</i>										
PMB	653,426.0	960,017.3	1,002,104.8	428,688.2	492,182.8	3,536,419.1	2,003,707.1	5,540,126.2	0.0	5,540,126.2
MR	0.0	0.0	0.0	0.0	30,271.2	30,271.2	77,992.8	108,264.0	0.0	108,264.0
Fee	39,712.0	48,772.3	32,322.0	17,022.7	24,694.9	162,523.9	76,346.5	238,870.4	0.0	238,870.4
Total	693,138.0	1,008,789.6	1,034,426.8	445,710.9	547,148.9	3,729,214.2	2,158,046.4	5,887,260.6	0.0	5,887,260.6

Changes to/Utilization of Management Reserve in September 2012

		FY2009	FY2010	FY2011	FY2012	FY2013	FY2009-2013	FY2014-2018	Total
August 2012 MR Totals									
ARRA	RL-0011.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0041.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARRA Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Base	RL-0011	0.0	0.0	0.0	12,834.9	-1,098.0	11,736.9	9,238.7	20,975.6
	RL-0012	0.0	0.0	0.0	194.8	2,982.5	3,177.3	8,203.9	11,381.2
	RL-0013	0.0	0.0	0.0	151.8	-966.3	-814.5	18,546.6	17,732.1
	RL-0030	0.0	0.0	0.0	7,685.9	3,809.0	11,494.9	7,307.2	18,802.1
	RL-0040	0.0	0.0	0.0	1,796.8	961.7	2,758.5	16,643.6	19,402.1
	RL-0041	0.0	0.0	0.0	1,104.4	2,670.2	3,774.6	17,123.1	20,897.7
	RL-0042	0.0	0.0	0.0	167.3	200.0	367.3	1,000.0	1,367.3
Base Total	0.0	0.0	0.0	23,935.9	8,559.1	32,495.0	78,063.1	110,558.1	
MR Total		0.0	0.0	0.0	23,935.9	8,559.1	32,495.0	78,063.1	110,558.1
September 2012 MR Changes/Utilization									
ARRA	RL-0011.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0041.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARRA Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Base	RL-0011	0.0	0.0	0.0	-12,834.9	12,384.9	-450.0	-70.3	-520.3
	RL-0012	0.0	0.0	0.0	-194.8	-1,579.0	-1,773.8	0.0	-1,773.8
	RL-0013	0.0	0.0	0.0	-151.8	151.8	0.0	0.0	0.0
	RL-0030	0.0	0.0	0.0	-7,685.9	7,685.9	0.0	0.0	0.0
	RL-0040	0.0	0.0	0.0	-1,796.8	1,796.8	0.0	0.0	0.0
	RL-0041	0.0	0.0	0.0	-1,104.4	1,104.4	0.0	0.0	0.0
	RL-0042	0.0	0.0	0.0	-167.3	167.3	0.0	0.0	0.0
Base Total	0.0	0.0	0.0	-23,935.9	21,712.1	-2,223.8	-70.3	-2,294.1	
MR Total		0.0	0.0	0.0	-23,935.9	21,712.1	-2,223.8	-70.3	-2,294.1
September 2012 MR Totals									
ARRA	RL-0011.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0013.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0030.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0040.R1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	RL-0041.R1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ARRA Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Base	RL-0011	0.0	0.0	0.0	0.0	11,286.9	11,286.9	9,168.4	20,455.3
	RL-0012	0.0	0.0	0.0	0.0	1,403.5	1,403.5	8,203.9	9,607.4
	RL-0013	0.0	0.0	0.0	0.0	-814.5	-814.5	18,546.6	17,732.1
	RL-0030	0.0	0.0	0.0	0.0	11,494.9	11,494.9	7,307.2	18,802.1
	RL-0040	0.0	0.0	0.0	0.0	2,758.5	2,758.5	16,643.6	19,402.1
	RL-0041	0.0	0.0	0.0	0.0	3,774.6	3,774.6	17,123.1	20,897.7
	RL-0042	0.0	0.0	0.0	0.0	367.3	367.3	1,000.0	1,367.3
Base Total	0.0	0.0	0.0	0.0	30,271.2	30,271.2	77,992.8	108,264.0	
MR Total		0.0	0.0	0.0	0.0	30,271.2	30,271.2	77,992.8	108,264.0

SELF-PERFORMED WORK

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

Contracts-to-Date Actual Awards & Mods							Projection to FY18		
Contracts + Purchase Orders + Pcard 10/1/08 -10/1/2012							Planned Subcontracting*	\$2,524,483,195	
							Contract-to-date awards	\$1,969,791,553	
							Bal remaining to award =	\$554,691,642	
	ARRA		BASE		Total \$	Total %	Goal	Goal award \$	Bal to goal \$
	\$	%	\$	%					
SB	\$375,557,300	57.14%	\$600,273,604	45.73%	\$975,830,905	49.54%	49.30%	\$1,244,570,215	\$268,739,310
SDB	\$78,383,304	11.93%	\$100,000,803	7.62%	\$178,384,106	9.06%	8.20%	\$207,007,622	\$28,623,516
SWOB	\$87,492,938	13.31%	\$109,629,891	8.35%	\$197,122,829	10.01%	7.50%	\$189,336,240	(\$7,786,589)
HUB	\$22,410,450	3.41%	\$22,790,352	1.74%	\$45,200,802	2.29%	2.20%	\$55,538,630	\$10,337,828
VOSB	\$52,306,096	7.96%	\$62,475,349	4.76%	\$114,781,445	5.83%	3.50%	\$88,356,912	(\$26,424,533)
SDVO	\$12,806,965	1.95%	\$42,688,431	3.25%	\$55,495,396	2.82%	1.30%	\$32,818,282	(\$22,677,114)
NAB	\$17,678,025	2.69%	\$11,391,658	0.87%	\$29,069,683	1.48%	0.00%	* 10-year subcontracting projection	
Large	\$198,927,213	30.27%	\$345,273,941	26.31%	\$544,201,153	27.63%	0.00%		
GOVT	\$132,853	0.02%	\$1,773,235	0.14%	\$1,906,088	0.10%	0.00%	PRC clause H.20 small business (SB) requirement:	
GOVT CONT	\$82,536,054	12.56%	\$362,045,188	27.58%	\$444,581,243	22.57%	0.00%	≥17% of Total Contract Price performed by SB	
EDUC	\$782	0.00%	\$84,874	0.01%	\$85,656	0.00%	0.00%	Total Contract Price:	\$5,861,382,070
NONPROFIT	\$49,097	0.01%	\$2,906,748	0.22%	\$2,955,845	0.15%	0.00%	17% requirement:	\$996,434,952
FOREIGN	\$21,173	0.00%	\$206,114	0.02%	\$227,287	0.01%	0.00%	SB Awarded:	\$975,830,905
Total	\$657,224,472		\$1,312,567,081		\$1,969,791,553			Balance to Requirement:	\$20,604,047

Notes:

1. Subcontracting goals have been met as a result of a concerted effort to award new small business actions and an update of the subcontracting goals to match the small business plan submitted to DOE in December 2010 that was verbally accepted by DOE in August 2011. Fifty-one percent of total awards have been made to small businesses with approximately 54% of ARRA awards to small businesses.
2. ARRA-funded awards have accounted for approximately 44% of all actions placed since contract inception.
3. Approximately 93% of the total dollars arise from service and staffing Contracts and Contract amendments with five percent of the dollars arising from P-Card purchases and the balance from purchase orders for materials and equipment.
4. This report excludes blanket contract values which are only estimates and not used for payment obligations.
5. Data is summarized by business categories (Women Owned Minority Business Enterprise codes) in accordance with socioeconomic reporting requirements. Small business categories overlap and should not be added together.

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section A

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



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

September 2012
CHPRC-2012-09, 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	1 glovebox	175 gloveboxes/hoods
KPP Rooms/Areas Ready for Demo	1	60 rooms/areas
Asbestos/ACM Removed	133	16,971 feet
Process Vacuum Piping Dispositioned	33	1,825 feet
Process Transfer Line Dispositioned	50	709 feet
Pencil Tank Units Removed	5	95 pencil tank units
Buildings Ready for Demo	-	32 structures
Buildings Demolished or Removed	-	32 structures
Non-radioactive Waste Shipped	- m ³	36 m ³
TRU/TRU-M Shipped	82 m ³	1,038 m ³
LLW/MLLW Shipped	35 m ³	3,848 m ³

- There were no lost or restricted workday cases this period.
- D&D mission progress at PFP was impacted for the month, primarily due to high-levels of contamination, Beryllium Stop Work, and more complex and time-consuming work.
- Removal of plutonium-contaminated process equipment continued, with a particular focus on removing gloveboxes and associated piping and ductwork. Glovebox HC-12S was removed from Room 228B and restaged in Room 235D, bringing the total gloveboxes removed to date to 175, or 75 percent complete. The upper section of Glovebox HA-23S was successfully separated, placed on high-capacity low-profile movers, and preparations started to remove the glovebox from Room 235B. The Key Performance Parameter (KPP) Completion/Verification Record was completed for closure of Room 235. The project removed 133 feet of asbestos, was able to disposition 33 feet of highly contaminated process vacuum line and 50 feet of process transfer line.
- PRF canyon entries to replace the festoon cable truck (trolley) and correct the location of the truck tensioning cable were completed. After successful completion of the functional test, the crane was returned to service and the size reduction and seal out of the Pencil Tank Assembly 39 (Tank 39) was completed. The total pencil tank assembly units removed and dispositioned is 90 or 46% complete. Nondestructive Assay (NDA) of Pencil Tank Assembly 37 (Tank 37) was completed and size reduction initiated.
- Preparations were completed and removal of the Miscellaneous Treatment (MT) gloveboxes D-1 and D-6 drain lines was initiated and is approximately 90% complete.
- Ramp-up of the D&D 242-Z project continued.
- The second phase of the FY2012 workforce restructuring resulted in some reduced staff and change in bargaining unit resources. However, D&D field work team continuity is expected to continue.

EMS Objectives and Target Status

Objective #	Objective	Target	Actions to Achieve Target	Due Date	Status
12-EMS-PFP-OB1-T1	Reduce generation/toxicity of waste through spill reduction	Reduce likelihood of hydraulic spills from D&D work at PFP	Review history of D&D hydraulic failures	12/30/2011	100%
			Identify types of failure and impact	03/29/2012	100%
			Research improved hydraulic line technology	06/29/2012	100%
			Report recommendations to management	07/30/2012	100%
12-EMS-PFP-OB2-T1	Reduce vehicle miles/ greenhouse gas emissions by use of mass transit	Formally request Ben Franklin Transit (BFT) bus service to 200W/PFP	Formally request BFT/CHPRC to implement	10/31/2011	100%
			Conduct tour/employee meetings with BFT	11/01/2011	100%
			Formally request proposal from BFT	11/24/2011	100%
12-EMS-PFP-OB3-T1	Reduce radioactive air emissions from open air demolition of 236-Z	Decontamination of 236-Z Building canyon	Review decontamination methods	12/30/2011	100%
			Evaluate selected method for air emissions	06/30/2012	100%
			Evaluate method's ability for source reduction	08/31/2012	100%

TARGET ZERO PERFORMANCE

	Current Month	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	3	N/A
Total Recordable Injuries	0	5	N/A
First Aid Cases	4	55	Base – 9/10/2012 – Employee experienced strain to left knee. (22879) Base – 9/13/2012 – Employee experienced abrasion to left elbow. (22881) Base – 9/18/2012 – Employee experienced pain to right shoulder. (22899) Base – 9/24/2012 – Employee experienced sprain to lower back. (22903)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

11.05 Disposition PFP Facility – ARRA

- In Room 235Z-2, the removal of the conveyor guide rails in gloveboxes was completed and initial sweeps and wipe downs were performed for dose reduction purposes.
- In Room 235A-3, scaffolding was erected, temporary shielding was installed, and the mechanical isolation of glovebox HA-9A was initiated.
- In Room 235B, the upper half of glovebox HA-23S was successfully separated and staged.
- In Room 228B, glovebox HC-12S was removed and removal activities for HC-13MD were initiated.
- In Room 228C a large scaffold build was completed and glovebags installed to support the removal vacuum lines that cross the room to HC-18M. In addition, cleanout activities were performed in HC-17DC to disassemble and cleanout the hammer mill inside the glovebox.

Base

11.02 Maintain Safe & Compliant PFP

- 291-Z Exhaust Fan (EF) Maintenance
 - o Completed inspections on EF-3 and identified additional cracks on the fan wheel. After an Engineering evaluation, it was determined that all cracks can be repaired. A revised schedule was submitted to address additional repairs. Completed preparations and work package revisions. Welding is now planned to be initiated in early October.
 - o Revision 1 of the CHPRC-01196 291-Z holdup discovery JCO was implemented on September 17, 2012. The revision removed a hoisting and rigging over the northeast corner of 291-Z prohibition so that EF-6 motor could be replaced.
 - o Completed installation of new EF-6 motor, fan bearings and returned to service.

11.05 Disposition PFP Facility

Backside Rooms (Rooms 158-172) D&D

- Room 166 D&D
 - o Room 166 GB Mechanical Isolation:
 - Removed Chemical Addition Tank (nitric acid addition system) vent & overflow piping
 - Removed Chemical Addition Tank (nitric acid addition system) rinse-solution piping
- Room 159 Hood Removal
 - o Work Package for 159 Hood removal approved and scheduled for HRB
 - o Work Package for installation of temporary hood in Room 180 approved through HRB
 - Commenced work to install hood
- Completed electrical isolation of the Room 159 Hoods
- Completed GB reactivations and beryllium characterization sampling for HC-46F (Room 170) and HA-40F (Room 169)

Disposition PFP (234-5Z) Facility

- Removed 33 feet of process vacuum piping for a total of 1,825 feet removed
- Removed 50 feet of transfer lines for a total of 709 feet removed
- Removed 133 feet of asbestos

Plutonium Reclamation Facility (PRF)

- PRF canyon entries to replace the festoon cable truck (trolley) and correct the location of the truck tensioning cable were completed and the crane returned to service.
- The size reduction of the Pencil Tank Assembly 39 (Tank 39) was then completed and the resulted segments sealed out of the canyon.
- Nondestructive Assay (NDA) of Pencil Tank Assembly 37 (Tank 37) was completed and size reduction initiated.
- Preparations were completed and removal of the Miscellaneous Treatment (MT) gloveboxes D-1 and D-6 drain lines was initiated.

MAJOR ISSUES

None identified at this time.

RISK MANAGEMENT STATUS

Unassigned Risk
 Risk Passed
 New Risk
 Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-011/WBS 011				
PFP-003: More Extensive Cleanout/Decon Required	Develop and implement a detailed process facility characterization plan into the field execution schedule. Determine and obtain approval for ready-for-demolition criteria (contamination removal/cleanup endpoints prior to building demolition). Early characterization provides an opportunity to avoid project schedule impact; however, cost impacts remain.			Development of a detailed PFP-wide characterization plan is underway to further define ready-for-demolition criteria for the Plutonium Reclamation Facility (236-Z), the most challenging of the facilities.
PFP-004, Risk of PRF Canyon D&D cost/schedule growth	Complete detailed planning/engineering for D&D of PRF canyon, particularly pencil tank removal and canyon decontamination. Mitigation actions are currently in place to move the annual crane maintenance forward to work the festoon cable repair in parallel. Additional overtime will be planned for Pencil Tank removal, and MT activities to recover schedule lost for the festoon wheel design.			Issues with the festoon cable wheel design continued to impact field work activities for Pencil Tank removal, and MT glovebox isolations for the first week of September. Festoon cable is currently operating as of 9/6/12 and the FY2013 Annual maintenance is complete.
PFP-009: Problems with Aging Building Systems/Components Impacts D&D	Perform critical system reliability assessments for all of the PFP safety and essential systems; procure critical spares; maintain existing redundancies; repair or replace equipment as failures occur and complete planned facility modifications. BCR -011-12-006R0A has been implemented for the 2712-Z safety concern.			Visual inspection of the EF-3 wheel caused management to conduct a magnetic particle inspection. A total of 31 cracks were discovered in the EF-3 wheel after testing was completed for the month of August. Additional 18 cracks were discovered in September; to date 49 cracks. Corrosion of the 2712-Z floor has created personnel safety concerns. Reporting will discontinue for this concern next month.
PFP-008: Unexpected High Concentration TRU Material Holdup Discovered	Utilize supplemental NDA and other characterization techniques to identify areas of concern early in the project. Discuss potential response actions and administrative controls with Safeguards and Security, and proceduralize them as needed to guide the project in responding in the event unexpected material is identified. Actions were set in place to dismantle the hammer mill, and scrub the floor within the HC-17 series.			Planning is continuing to further evaluate the disposition path for the section of piping that was discovered to have higher than expected material holdup. NDA results for gloveboxes exceeded the threshold to support the "Remove TRU Whole" disposition path causing additional cleanout work for HC-17 series gloveboxes.
PFP-014: Unexpected Chemicals/Chemical Residuals or Hazardous Materials Are Discovered at PFP	Conduct wall-to-wall waste identification walk downs, fill out waste identification forms (WIF) and issue WIF reports. Continue planned sampling and identification of areas and equipment with lower confidence levels. Revise work packages for additional controls and implement additional equipment deployment such as absorbent pads to neutralize acid and double floor containment glovebags.			PCB oil from a hydraulic ram in RMA was discovered to contain TRU holdup (Waste disposal is still pending). No impacts to field teams. Discovery of high constricted acid was discovered in the casing surrounding the transfer lines during removal causing degradation of the glovebags. This caused several work packages to be revised where acid is expected.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
PFPP-039: Beryllium Program Changes	Work closely with CHPRC central organizations to understand and anticipate potential changes in the program prior to implementation. Maintain existing contracts and establish new contracts with additional suppliers of Be analytical services and professional staff to help mitigate the schedule impacts of any new program requirements. Improve communications with the workforce regarding the potential Be hazards at PFP, the Be control program, and potential changes to the program or project practices.			Concerns were raised over the span of several weeks regarding BWP/NHAs weren't job specific. The repetitive concerns caused a stop work on 8/24 by an MSA safety Rep on all Be areas in PFP. BWP's/BHA's were revised to be job specific, and all effected teams will be briefed.
PFPP-042, Increased Attrition Impacts Availability of Qualified Resources PRC-021A, Workforce restructuring caused by funding changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			Based on FY2013 baseline update guidance projections PFP is initiating workforce restructuring to incorporate into baseline with interface management between other contractors to identify potential bump and roll impacts to the project. Reporting will discontinue next month
PFPP-058: OPP: Cost Savings Initiatives	Working with RL, CHPRC has undertaken a process to identify, implement, and track efficiencies. High probability efficiencies have been identified and evaluated to establish potential cost reductions. These efficiencies include a range of more cost efficient methods of performing work.			Management is continuing to evaluate potential efficiencies across the PFP complex.
PRC-059, Infrastructure Impacts Operations	Continue to work with DOE contractors to ensure issues such as: power, IT, steam, and water are restored in a timely manner to reduce impacts to field work.			No issues for the month of September.
PFPP- 079 – Extend Respiratory Protection Time & Operating Efficiencies	Establishing expectations and behaviors that streamline the shift/pre-job briefings, dress/undress times to allow for additional on-tool time and achieve 2-entries per day. Monitor stay-times and work patterns to establish efficiency increases to 2.5 hours per entry. Achieve consistency in work package preparation to minimize down-time.			Continue to implement Breakthrough Initiative #1, Tool Time actions.

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 (%)
ARRA	(0.7)	2.3	0.8	3.0	-405.4	1.5	63.9
Base	<u>14.9</u>	<u>8.2</u>	<u>8.9</u>	<u>(6.7)</u>	-45.1	<u>(0.7)</u>	-9.1
Total	14.1	10.4	9.7	(3.7)	-26.0	0.7	6.9

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Variance: (+\$3.0M/-405.4%)

The schedule variance primarily results from a point adjustment due to implementation of BCR-011-12-005R0, which re-aligned scope to ARRA that was originally planned under a Base WBS element and performed with ARRA funds.

CM Cost Variance: (+\$1.5M/+63.9%)

The cost variance results from implementation of BCR-011-12-005R0, which re-aligned scope to ARRA that was originally planned under a Base WBS element and performed with ARRA funds. The year-end credits from liquidated labor burden and solid waste pools also contribute to the positive variance.

Base

CM Schedule Variance: (-\$6.7M/-45.1%)

The schedule variance is primarily due to implementation of BCR-011-12-005R0, which re-aligned scope to ARRA that was originally planned under a Base WBS element and performed with ARRA funds, and performance earned in prior periods on work planned in this month (procure SLB2 containers, PFNW treatment and size reduction of TRU gloveboxes). Also contributing to the variance are delays experienced in 234-5Z glovebox removal and process piping removal, resulting from stop work on beryllium-related scope, actions required to respond to and mitigate rapid increase in worker radiological dose in Room 235A-2, and more complex or time-consuming scope, or resource availability.

CM Cost Variance: (-\$0.7M/-9.1%)

The cost variance results from lower workforce restructuring cost, due to the reduced number of anticipated layoffs combined with higher than average natural attrition. Contributing to this variance is reduction of layoffs due to the transfer of bargaining unit employees to other Hanford Site Contractors. The year-end credits from liquidated labor burden, MSA department burden, and solid waste pools also contribute to the positive variance.

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)
ARRA	287.9	287.9	297.6	0.0	0.0	(9.7)	-3.4	287.9	297.6	(9.7)
Base	<u>246.8</u>	<u>238.4</u>	<u>241.4</u>	<u>(8.4)</u>	-3.4	<u>(3.0)</u>	-1.3	<u>606.5</u>	<u>591.1</u>	<u>15.4</u>
Total	534.7	526.3	539.1	(8.4)	-1.6	(12.7)	-2.4	894.4	888.7	5.6

Numbers are rounded to the nearest \$0.1M

ARRA

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

The schedule variance is within reporting thresholds.

CTD Cost Performance: (-\$9.7M/-3.4%)

The cost variance is within reporting thresholds.

Base

CTD Schedule Variance (-\$8.4M/-3.4%)

The schedule variance is within reporting thresholds.

CTD Cost Variance (-\$3.0M/-1.3%)

The cost variance is within reporting thresholds.

Variance at Completion (+\$5.6/+0.6%)

The variance at completion is within reporting threshold.

Estimate at Completion (EAC)

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

The EAC changes from August to September, for both ARRA and Base, are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A and Appendix A-1.

FUNDS vs. SPEND FORECAST (\$M)

WBS 011/RL-0011 Nuclear Matl Stab & Disp PFP	FY2012		Spend Variance
	Projected Funding	Spending Forecast	
ARRA	33.4	33.4	0.0
Base	<u>92.9</u>	<u>87.0</u>	<u>5.9</u>
RL-0011 Total	126.3	120.4	5.9

Numbers are rounded to the nearest \$0.1M

Funds/Variance Analysis

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical Path analysis can be provided upon request.

Baseline Change Requests

BCR-011-12-005R0 – *PFP ARRA-Base Scope-Funds Alignment and Deferral of Characterization Scope due to Work Force Restructuring*

BCR-011-12-006R0 – *PFP Confinement Ventilation System Maintenance and 2712-Z Facility Modification*

BCR PRC-12-016R0 – *FY2013-18 Annual Update*

MILESTONE STATUS

None identified at this time.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified at this time.

Section B

Spent Nuclear Fuel Stabilization and Disposition (RL-0012)



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

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

- With shipment of the fifth and final knockout pot (KOP) multi-canister overpack (MCO) to the Cold Vacuum Drying Facility (CVDF) on September 10, 2012 and then to the Canister Storage Building (CSB) on September 13, 2012, the project team concentrated on completion of the documentation to close TPA Milestone M-016-172. Document PRC-STP-00722, *STP KOP Disposition Subproject Completion of Knockout Pot Processing Report*, was approved on September 20, 2012 and a letter to transmit this documentation was issued to RL on September 21, 2012.
- The Formal Design Review of the Engineered Container Retrieval and Transport System (ECRTS) Process System Final Design resulted in approximately 775 Review Comment Record (RCR) Comments against the design package. The Design Team incorporated the disposition of all 345 Type “A” RCR comments and 238 of the Type “B” comments resulting from the Formal Design Review conducted in August 2012 into the Final Design Report, which was completed and approved on September 27, 2012. The balance of the Type “B” comments (200+) will be incorporated simultaneously to fully align the final design with the Preliminary Documented Safety Analysis (PDSA) document that is scheduled to be submitted to RL in early in calendar year 2013.
- RL and EPA approved Remedial Design/Remedial Action Work Plan DOE/RL-2010-063, Addendum 3A for the K West Annex, on August 28, 2012. This constitutes permission to proceed with construction of the actual structure, beginning with the pouring of concrete for the foundation.
- Progress on the K West Annex construction included the following this month: Backfill and compaction for the building and utility trench sub-grade; setting of the main electrical vault; backfill, compaction and testing for the building footings and foundations and installation of formwork for the footings south of column line 2; sand bedding and installation of fire water drain piping; installation and grounding of bollards around the utility vault; controlled density fill (CDF) placement for the bubbler backfill and fire line drain piping; and excavation, backfill, and compaction for the Loading Bay building footings.
- Annex construction project management personnel requested that the Engineering, Projects and Construction (EPC) Survey Team verify locations of the completed excavations and formwork. Accuracy of the work was confirmed to be very good and only minor adjustments were required.
- Preparation continued for the Integrated Process Optimization Demonstration (IPOD) at the Maintenance and Storage Facility (MASF). MASF personnel worked on modifications to the transfer box and decant box, miscellaneous panel installation and wiring, ion exchange module (IXM) manifold upgrades, sand filter enclosure upgrades/modifications, decant box/transfer box valve stem extension fabrication, and reinstallation of instruments that are beginning to return from calibration. In addition, modifications were made to the ECRTS Process Systems test articles to bring them to a configuration consistent with the final design. The IPOD is scheduled to start in January of 2013.
- Characterization report PRC-STP-00583, “*Validation by the Sludge Treatment Project of Turbidity Data from K Basin Sludges and Associated Simulant*” was approved. This report is a review of the reductions in turbidity achieved through recirculation and flocculant additions that mimic anticipated sludge processing. An assessment is also presented on the extent to which the turbidity and settling behavior of simulant mimics that of actual K Basin sludge.
- EPA provided formal notification that it had reviewed and accepted the Data Validation and Assessment Reports for Characterization Data from Engineered Containers SCS-CON-210 and -230 (PRC-STP-00560 and PRC-STP-00523).
- 100K staff initiated the final calibrations for closeout of final Office of Civilian Radioactive Waste Management (OCRWM) data packages following the processing of the found fuel and KOP MCOs.

- The cost comparison sections of the final siting study report for Phase 2 were received from the subcontractor and incorporated into the document. The evaluation compares the costs of deployment of Phase 2 treatment and packaging in T-Plant, CVDF, Fuels and Materials Examination Facility (FMEF), and hybrid T-Plant option (where retrieval from the Sludge Transfer Storage Casks [STSCs] takes place in T-Plant and treatment and packaging takes place in a newly constructed annex).
- Final Phase 2 reports were delivered on September 27, 2012. Due to lack of funding in FY2013 for Phase 2 activities, these will be the final deliverables from the current Phase 2 Technology Evaluation and project definition activities extending over the last three fiscal years. All reports have a foreword added that discusses the current state of work reflected in the documents and provides recommendation of work remaining to be completed when the Phase 2 activities are restarted at some point in the future.

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	1	19	9/19/12 - Employee sustained a cut to the index finger on left hand while performing an inspection of an uninstalled swamp cooler. Worker placed a hand on the inside edge of an opening where sheet metal was contacted. Body part affected: Finger (22884)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- The fifth and final KOP MCO was shipped from the K West Basin to the CVDF on September 10, 2012, meeting TPA Milestone M-016-172 well before the due date of September 30, 2012.
- The final KOP MCO was shipped from the CVDF to the CSB on September 13, 2012. Shipment of this MCO constitutes completion of the physical work to remove the KOP sludge material from the 105KW Basin to the Hanford Site Central Plateau, and satisfies several performance measures.
- Material Balance Area 109 at the CVD facility was formally closed. The material balance area is the means by which Safeguards keeps accountability for spent nuclear fuel. This means that CVDF can no longer accept nuclear fuel into the facility. This is a significant milestone in the cleanup of the 100K area, as Hanford's fuel processing mission has now been completed.
- The ECRTS Process System Final Design Report was completed and approved on September 27, 2012.

MAJOR ISSUES

- No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk

Risk Passed

New Risk

Change



Working - No Concerns



Working - Concern



Working - Critical



Increased Confidence



No Change



Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-012/WBS 012				
STP-057: PWC & IWTS IXM Change Out	Physical properties of the KOP material are not expected to result in change out of the PWC & IWTS ion exchange media. 8 Additional IXM on hand to change out as required.			Risk Passed. Final MCO processed in September.
STP-030: 100K KOP Systems Operation (CHPRC Risk)	Perform aggressive CM & PM Program for the IWTS, RRS, CLS, and other system to support MCO Loading.			Risk Passed. Final MCO processed in September.
STP-007 Competing Priorities	Develop detailed working schedules and institute interface meetings to communicate priorities and progress. Overtime used to mitigate impacts of schedule delay.			No change in trend over past month.
PRC-021A: Workforce Restructuring Caused by Funding Changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			CHPRC completed Workforce Restructuring for FY2012 and will monitor bump & roll impacts in first quarter of FY2013.
PRC-029, Unforeseen Facility Condition	Maintain questioning attitude within the workforce to identify unforeseen conditions early. Mobilize task team to respond to issues promptly and obtain priority for document approvals.			Risk Passed.
STP-ANX-008: Annex Design and Requirements Changes	Maintain rigorous control of design specifications. Streamline approach for addressing contractor submittals and RFI's to acknowledge and minimize design changes. Communicate regularly with stakeholders (DOE, contractors, and CHPRC organizations) regarding impacts and potential changes.			Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.
STP-ANX-001: Annex Subcontract Change Orders/Claims	Prepare accurate Functional Requirements and SOW. Monitor Subcontractor activities and identify problem areas. Develop an efficient approach for handling contractor submittals and RCI's			Several change and design requests have been received from the vendor. Project evaluating changes and potential impacts to cost and schedule.

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 (%)
Base	10.5	8.3	8.5	(2.2)	-20.5	(0.2)	-2.0

Numbers are rounded to the nearest \$0.1M

CM Schedule Performance (-\$2.2M/-20.5%)

The negative schedule variance is due to KOP work completed ahead of schedule with BCWS being realized in the current month, delays to annex construction due to design changes and a slow start on construction activities by the contractor and ECRTS final design resources were greater than expected due to about 800 comments, which needed to be resolved.

CM Cost Performance (-\$0.2M/-2.0%)

Variance is within reporting thresholds.

Contract-to-Date

(\$M)

RL-0012 Spent Nuclear Fuel Stabilization and Disposition	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Base	332.0	328.4	329.3	-3.6	-1.1	-0.9	-0.3	541.1	531.5	9.6

Numbers are rounded to the nearest \$0.1M

CTD Schedule Performance (-\$3.6M/-1.1%)

Variance is within reporting thresholds.

CTD Cost Performance (-\$0.9M/-0.3%)

Variance is within reporting thresholds.

Estimate at Completion (EAC)

The current EAC change 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	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
Base	87.7	84.0	3.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

The variance is within reporting thresholds.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

BCR-012-12-004R0 – *100KW Annex Incorporation of Design Changes and associated Title 3 Support*

BCRA-PRC-12-017R0 – *FY2012 to FY2013 Administrative Fiscal Year Splits*

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Revision 3, implemented in November 2011, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
DNFSB 120W	Complete Sludge Treatment	DNFSB	11/30/09			A pending Implementation Plan update will address this milestone.
M-016-172	Complete KOP Material Removal from 105KW Fuel Storage Basin	TPA	9/30/12	9/10/2012		Complete.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section C

Solid Waste Stabilization and Disposition (RL-0013)



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

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

- All ARRA scope is complete. Work was completed within budget, on schedule, including contingent scope beyond the Key Performance Parameter (KPP).

Base

- The W&FMP continued maintaining facilities in a safe and compliant condition. Waste Receiving and Processing Facility (WRAP) has completed Phase I of the Lay-Up Transition and Maintenance Plan. T Plant completed the 291T three-month Vent & Balance stack flow testing and the six-month stack element/indicator/valves calibration. Central Waste Complex (CWC) and Low Level Burial Ground (LLBG) received ten drums of Transuranic Mixed Waste (TRUM) from WRAP. Liquid Effluent Facilities (LEF) received 73 tankers (calendar year [CY] 310k gallons). Liquid Effluent Retention Facility (LERF) Basin 43 received 238k gallons of ERDF leachate (CY 2.0M). Canister Storage Building (CSB) completed Quarterly Interlock Channel Test for the Multi-Canister Overpack (MCO) Handling Machine (MHM). Waste Encapsulation and Storage Facility (WESF) transmitted the Evaluation of Safety of the Situation (ESS) and Operability Determination regarding radiation degradation on the pool cell walls to RL.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
12-EMS-WFM-OB1-T1	Reduce the generation and/or toxicity of waste at the source by using biological spill treatment.	Evaluate biological spill treatment/cleanup products available to address petroleum based spills and identify opportunities for use within the W&FMP based on FY2012 work scope.	9/30/2012	Complete

TARGET ZERO PERFORMANCE

	CM Quantity	Rolling 12 Month	Comment
Days Away, Restricted or Transferred	0	0	N/A
Total Recordable Injuries	0	2	N/A
First Aid Cases	6	26	<ul style="list-style-type: none"> • 9/4/12 Employee sustained a knee strain when turned foot while seated causing the knee to pop. Body part affected: Knee (22874) • 9/5/12 Employee reported bilateral carpal tunnel due to the repetitive movements of employment. Body part affected: Hands (22876) • 9/12/12 Employee sustained a bug bite to the back. Body part affected: Mid-back (22882) • 9/13/12 Worker sustained a knee strain while descending stairs. Body part affected : Knee (22883) • 9/17/12 Worker sustained a bug bite on the back. Body part affected: Back (22897) • 9/22/12 Employee was bent over working in a small area. When worker stood up worker bumped head on crossbeams. Body part affected: Head (22902)
Near Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

Lay-Up Activities

- ARRA scope is complete.

Base

13.01 Project Management

- Continued Project Management support for high priority projects.
- Completed work on the FY2013 Performance Measurement Baseline (PMB) update and submittal to RL.

13.02 Capsule Storage & Disposition

- Transmitted the Evaluation of Safety of the Situation (ESS) and Operability Determination regarding radiation degradation on the pool cell walls to RL.
- Implemented action from ESS to moved cesium capsules from the first four columns of rack 1 in pool cell 7 to pool cell 1.
- Leak on lower roof identified. Pursuing warranty claim with roof installer.
- Performed a table top drill associated with Beyond Design Basis Accident scenario.

- Completed three-year electrical Preventive Maintenance (PM) on Motor Control Center (MCC)-2 and 4.
- Completed two mechanical PMs on the 10-ton crane.

13.03 Canister Storage Building (CSB)

- Completed Quarterly Interlock Channel Test for the Multi-Canister Overpack (MCO) Handling Machine (MHM).
- Received the final Knock-Out Pot (KOP) MCO and completed recovery plan for missing small vent port plug and stat-o-seal.
- Continued KOP MCO monitoring program.
- Completed pre-filter replacement and six-month HEPA filter testing for PF-001 & -002 main filter banks.
- Completed quarterly Gaseous Effluent Monitoring System (GEMS)-100 functional tests.
- Completed annual GEMS-100 instrument loop calibration.
- Completed annual sample hood Flow Indicator and Differential Pressure Indicator calibrations.

13.07 WRAP

- Completed Phase 1 Lay-Up (2336W), continued with Phase 2 Lay-Up activities.
- Completed all TSR surveillances, including six-month Glove Box dry chemical testing.
- Completed roof repairs to 2336W, 2404WB and 2404WC.
- Completed one Technical Safety Requirement (TSR) surveillances.
- Completed 21 Preventative Maintenance (PM) packages.
- Completed 95 Radiological (Rad) Surveillances.
- Completed 164 Operational Surveillances.
- Shipments
 - Submitted Statement of Work and budget to Washington Closure Hanford for High-Energy Real Time Radiography (HE-RTR) and Super High Energy Neutron Counter (SHENC) work to support Project 618-10 scope.
 - Sent two drums to Perma-Fix Northwest.
 - Sent 30 drums to the Environmental Restoration Disposal Facility (ERDF).

13.08 T-Plant

- Completed the 291T three-month Vent & Balance stack flow testing and the six-month calibrate stack element/indicator/valves.
- Completed the 2706T one-year calibration of ACT-II gauges.
- Completed the T Plant two-year fire barrier walk down inspection.
- Completed the 2706TA six-month Uninterrupted Power Supply maintenance.
- Completed the 2706T TSR Quarterly Riser flow for main drain and external riser inspection, semi-annual flow alarm test, and the annual fire water pressure gauge calibration.
- Completed the 2706T TSR monthly inspections for Fire Pressure system and Post Indicator Valve positions.
- Conducted and completed a successful Emergency Preparedness (EP) drill.
- Participated in the site-wide 200 East and West EP Take cover drill.
- Completed a one-year 2706T calibration of level transmitters.

- Operations
 - o Completed 7 TSR Surveillances
 - o Completed 34 PM packages
 - o Completed 308 Rad Surveillances
 - o Completed 231 Operational Surveillances

13.09 Central Waste Complex (CWC)

- Supported a Site-Wide Drill
- Supported a Drill at T Plant
- Toured Oregon Department of Energy (DOE) representative through the CWC Complex
- Completed six TSR Surveillances
- Completed 19 PM packages
- Completed 255 Rad Surveillances
- Completed 75 Operational Surveillances
- Shipments
 - o Provided current Transuranic (TRU) inventory information and volume of waste received from Plutonium Finishing Plant (PFP) in Fiscal Year 2012 to DOE-RL.
 - o Received ten drums of Transuranic Mixed (TRU/M) waste verifications from WRAP.
 - o Received three Standard Large Box 2 (SLB2) and 14 drums of TRU/M from the Plutonium Finishing Plant (PFP).
 - o Returned two drums to Pacific Northwest National Laboratory (PNNL).

13.11 Liquid Effluent Facilities (LEF)

- Received (calendar year [CY]) 73 tankers; 310k gallons
- Treated effluent to State-Approved Land Disposal Site: No change (CY 9.46M)
- 200A Treated Effluent Disposal Facility (TEDF) discharged 1.92M gallons (CY 13.66M)
- Received Environmental Restoration Disposal Facility (ERDF) leachate (238k gallons) at Liquid Effluent Retention Facility (LERF) Basin 43 (2.0M CY) and Basin 44(0.44M CY)
- Continued operating the 310 Retention Transfer System (RTS): CY 98k gallon
- Completed plant cleanout ending Basin 44 campaign (flushing of Concentrate, Sump1 and Surge Tank contents)
- Processed 424K gallons of waste water on a Basin 43 campaign but shutdown required due to a leak on the evaporator heat exchanger
- Removed end bell and identified pin hole leak on shell,
- Contamination levels will complicate repairs
- Initiated actions to use Fluor Government Group “R” program requirements to repair ASME section 8 pressure vessel
- Continued receiving Mixed Waste Trench Leachate tankers
- Continued receiving purged water tankers from BP-5
- Received 1000 gallons of 50 percent Sodium Hydroxide
- LERF Basin Activities:
 - o Continued with surveys/posting verification activities around Basin 44
 - o Held Hazard Review Board meetings on plan documents

- o Changed method of planning to support vegetation, water and soil removal from Basin 44 due to safety concern
- o Briefed Washington Department of Health on characterization data and cleanup activities with no issues noted
- o Completed evaluation on the determination of RCRA Subpart CC requirements for the basins which are not applicable
- o Received chromium sample results for Basin 42 soil/mud were less than LDR
- o Initiated assembly and pressure testing of water removal system.
- o Continued with staging of equipment for Basin 42/44 cleanup

13.12 Integrated Disposal Facility

- Completed six Operational Surveillances

13.16 Off Site Spent Nuclear Fuel Disposition

- Maintained coordination for offsite Spent Nuclear Fuel Disposition.

13.21 Mixed Waste Disposal Trenches

- Maintained the facility in a safe and compliant condition.
- Completed 25 Radiological and five operational surveillances.
- Completed one TSR Surveillance.

MAJOR ISSUES

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

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

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

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-013/WBS 013				
WSD-018: CSB Major Equipment Failure	Risk accepted without mitigation. Continue to maintain equipment in accordance with baseline PM/CM schedule.			Risk is very unlikely.
WSD-019: Commercial Capability	MLLW treatment capacity/capability does not meet Hanford needs or treatment does not occur as scheduled.			Forecasted volumes may not allow commercial capability to remain viable. Working with vendor(s) to understand impacts.
WSD-025: Unexpected Waste Volumes/Characteristics	Work with generators to update forecasting data monthly/quarterly/semi-annually.			Waste volumes to ERDF significantly lower due to suspension of cleanup activities, However, as capability/capacity has been adjusted to align with projections peak transportation needs are problematic.
WSD-043: Orphan Wastes	Obtain regulatory relief for "No Path Forward" wastes.			Issued "No Path Forward" waste and German log alternatives analysis. Annual update of M-91 PMP will document current status.
WSD-125: Three-Year Pause in Waste Processing Results in Unexpected Container Integrity Issues	Perform weekly waste container surveillances and overpack as required. Perform overpack or covering as required to mitigate condition. Schedule repackaging at appropriate facility.			Unplanned repackaging activities are nearing completion at WRAP. Legacy containers in expansion area are requiring additional resources. The Long-Term Box Storage is not in the contract Statement of Work, and will be addressed as part of the contract alignment process.
WSD-120: WESF Major System/Equipment Failure	Continue with the current maintenance program and aggressive PM and CM program.			No significant maintenance issues this month at WESF.
WSD-132: Aging Building/Systems/Components	Perform critical system reliability assessments, continue with PM/CM program, and procure critical spares.			Continue CM activities for equipment at ETF and 400 Area.
WSD-133: Results of External Audits/Assessments Impact Operations	Conduct operations in accordance with current approved procedures and processes. CHPRC and RL conduct routine assessments to assess conduct of operations and maintenance activities. Work with oversight groups to understand regulatory basis for interpretations.			On-Schedule with completion of the WESF Corrective Action Plan developed in response to the DNFSB audit from June 2011. No change in trend. <i>Washington Department of Ecology performed inspection of CWC on September 17. Awaiting results.</i>
PRC-021A: Workforce Restructuring Caused by Funding Changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			CHPRC completed Workforce Restructuring for FY2012 and will monitor bump and roll impacts in first quarter of FY2013.
PRC-007: ERDF WAC Revised	Provide budget for waste treatment and disposal to ERDF. Package and deliver waste in accordance with ERDF waste profiles. Waste profiles are assumed to be compliant with ERDF WAC			CHPRC waste generation process and practices provided funding to WCH to perform in-trench macro encapsulation. EPA may request WCH halt in-cell macro encapsulation waste treatment activities. CHPRC is working with WCH to evaluate the planned waste expected to be macro encapsulated at ERDF within the next 12 months.
WSD-121: LERF Cover Fails	Perform inspection and radiological surveys to evaluate if LERF covers are degrading.			Biological contamination has been detected and may be associated with LERF Basin 44. This represents a trigger condition where this risk may be realized. <i>Continue to sample and monitor area.</i>

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 (%)
MLLW Treatment	0.0	0.0	0.3	0.0	0.0%	(0.3)	0.0%
TRU Waste	0.0	0.0	0.0	0.0	0.0%	0.0	0.0%
TRU Wst Facil Trans MinSafe	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0%	<u>0.0</u>	0.0%
ARRA Total	0.0	0.0	0.3	0.0	0.0%	(0.3)	0.0%
Base	<u>9.0</u>	<u>9.0</u>	<u>6.9</u>	<u>0.0</u>	0.1%	<u>2.0</u>	22.5%
Total	9.0	9.0	7.2	0.0	0.1%	1.7	19.5%

Numbers are rounded to the nearest \$0.1M

ARRA

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

No variance – work scope is complete.

CM Cost Performance (-\$0.3M/-0.0%)

Work scope is complete. (The negative cost variance is due to the reversal of a cost transfer incorrectly transferred to base as part of the transfer of contingent scope to base in the previous period.)

Base

CM Schedule Performance (+\$0.0M/+0.1%)

The favorable current period schedule variance is within threshold.

CM Cost Performance (+\$2.0M/+22.5%)

The favorable current period cost variance is primarily the result of year end rate adjustments for labor, work force restructuring allocations below plan, and continued implementation of planned efficiencies.

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

WBS 013/RL-0013 Waste and Fuels Management Project	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)
MLLW Treatment	46.3	46.3	41.4	(0.0)	-0.0%	5.0	10.6%
TRU Waste	254.2	254.2	251.8	(0.0)	-0.0%	2.5	1.0%
TRU Wst Facil Tran MinSafe	<u>1.5</u>	<u>1.5</u>	<u>1.5</u>	<u>0.0</u>	0.0%	<u>0.0</u>	0.2%
ARRA Total	302.0	302.0	294.6	(0.0)	-0.0%	7.4	2.4%
Base	<u>400.4</u>	<u>400.1</u>	<u>400.0</u>	<u>(0.3)</u>	-0.1%	<u>0.2</u>	0.1%
Total	702.4	702.1	694.5	(0.3)	-0.0%	7.6	1.1%

Numbers are rounded to the nearest \$0.1M

ARRA

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

No variance – work scope is complete.

CTD Cost Performance (+\$7.4M/+2.4%)

The favorable cost variance is within reporting threshold.

Base

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

The unfavorable schedule variance is within threshold.

CTD Cost Performance (+\$0.2M/+0.1%)

The favorable cost variance is within reporting threshold.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from August to September, for both ARRA and Base, are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A and Appendix A-1.

FUNDS vs. SPEND FORECAST (\$M)

WBS 013/RL-0013 Waste and Fuels Management Project	FY2012		Spend Variance
	Projected Funding	Spending Forecast	
ARRA	4.6	4.6	0.0
Base	<u>85.3</u>	<u>81.6</u>	<u>3.7</u>
RL-0013 Total	89.9	86.2	3.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-12-019R0 – *FY2012 B.4 Table/Fee Alignment and MR Adjustment*

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Revision 3, implemented in November 2011, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. TPA Milestones are currently being renegotiated between the Parties to align milestone workscope with anticipated FY2013 funding scenarios and Hanford site priorities.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40U-T01	Retrieve a minimum of 250 cubic meters of CH RSW in FY2012	TPA	9/30/12			To be missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12, notifies Ecology milestone will not be met.
M-091-46B-T01	Certify 300 cubic meters of small container CH TRUM waste	TPA	9/30/12			To be missed. Activity currently not funded. DOE-RL Ltr 12-AMRP-0142 dated 8/30/12, notifies Ecology milestone will not be met.
M-016-93B	Submit Implementation Workplan To Prepare TRU/TRUM Waste	TPA	12/31/12			On schedule
M-091-44P	Designate all RH TRUM Waste & Lrg Containers of CH TRUM Waste	TPA	12/31/12			On schedule
M-091-44Z-003	Annual PMM or Qtrly Notification of Cert of CH/RH TRUM	TPA	12/31/12			On schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

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

Section D

Soil and Groundwater Remediation Project (RL-0030)



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

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

K. A. Dorr
Vice President for
Engineering, Projects
and Construction

PROJECT SUMMARY

Work included Pump-and-Treat (P&T) Operations and Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) remedial process documentation for the River Corridor and Central Plateau. Sampling and groundwater treatment completed in September includes the following:

- Collected 610 samples, resulting in 1,674 analyses.
- 21.2M gallons groundwater treated by KX treatment facility
- 9.4M gallons groundwater treated by KW treatment facility
- 11.8M gallons groundwater treated by KR-4 treatment facility
- 29.7M gallons groundwater treated by HX treatment facility
- 24.0M gallons groundwater treated by DX treatment facility
- 10.2M gallon groundwater treated by 200W treatment facility
- 106.1M gallons of groundwater treated total

EMS Objectives and Target Status

Objective#	Objective	Target	Due Date	Status
12-EMS-SGWR-OB1-T1	Reduce the release of toxic and/or hazardous material	Treat 1 billion gallons of groundwater from all Pump & Treat systems during FY2012. This assumes that existing P&T facilities continue to operate at or near current production /through put levels.	9/30/12	Complete as of August 6, 2012
		Review and tally total number of gallons treated	Monthly	1,201M Gallons through 9/30/12

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	28	<p>9/18/2012 – Storage of Sodium bisulfate, off gassing of Sulfur Dioxide accumulated in the empty space of tote. Cap of tote was determined to not be fully closed. The action of picking up the tote with the forklift allowed some of the SO2 in the void space to vent resulting in exposure to the co-located workers. (22886) S&GRP</p> <p>9/18/2012 – Three employees were unloading and staging four new chemical totes; two felt a burning sensation and irritation in their throat while the other reported smelling something. All three workers were taken to CSC for evaluation. It was determined that SO2 was the cause of the irritation. (22888) S&GRP</p>
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

Base - RL-0030.01 RL 30 Operations

Strategic Integration

- The path forward for implementing Irrigation Based PRGs into the River Corridor decision documents is being discussed between DOE, EPA, and Ecology. A letter (CHPRC-1203233.1) was issued to DOE to document the path forward.
- Arrived at an agreement with DOE/Ecology/CHPRC on the Eco PRG analysis and incorporation of the information in RI/FS documents.
- Developed a method to identify Institutional Controls (ICs) programmatic costs and apportion those costs to ROD areas to ensure these costs are properly accounted for. The method was presented to the MPT where there was general acceptance of the approach. IC costs are included in the 200-UP-1 ROD.
- The Central Plateau Remediation Optimization Study (DOE/RL-2012-33, Rev 0) was submitted to RL on September 20, 2012. Submittal of this document completes CHPRC contract deliverable C.2.5.3-2.
- Supported the September SEC meeting. Major topics discussed:
 - o Short term budget restrictions
 - o Site Wide Permit issuance, and resolving pending challenges
 - o Upcoming enforcement action(s) related to the Large Box in CWC.

Technical Integration

- Replacement of RANSAC – Procurement and acceptance testing were complete and the TELLUS fate and transport platform was released to general service. CHPRC-01844 (functional requirements for Tellus), CHPRC-01845 (test plan for Tellus), and CHPRC-01846 (test report for Tellus) were all approved and submitted for clearance. Approximately \$120K in hardware costs (out of \$200K) was saved by utilization of “gently-used” MSA hardware.

River Corridor

100-FIU Operable Unit

- Delivered decisional draft of RI/FS report to RL on September 27, 2012.

100-HR-3 Operable Unit

- Delivered decisional draft Proposed Plan report to RL on September 12, 2012.

Central Plateau

200-UP-1 Operable Unit

- The Record of Decision for Interim Remedial Action Hanford 200 Area Superfund Site 200-UP-1 Operable Unit was finalized through a series of workshops in September. The IROD was approved on September 27, 2012.
- TPA change package TPA-CN-542 to the RD/RAWP was approved by EPA on September 24, 2012 deleting the purging requirement for wells 299-W23-19 located within the SX Tank Farm.

200 West Pump and Treat

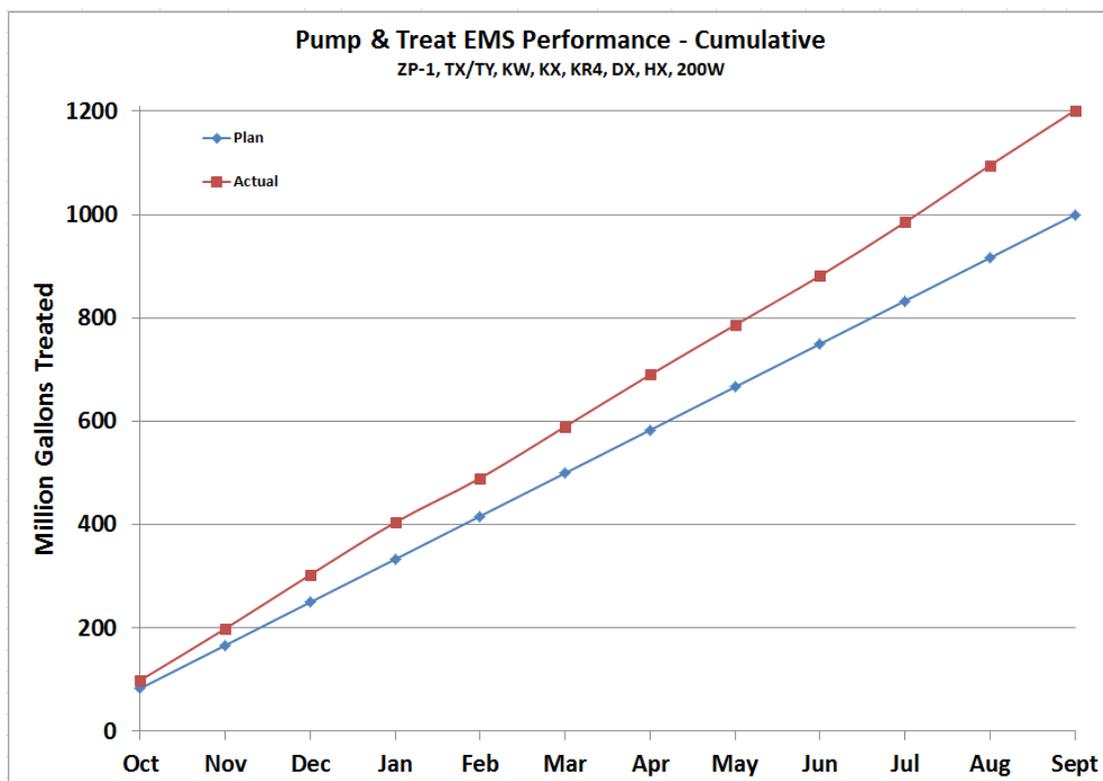
- During the month of September, the plant operated for 20 days (primarily during the day shift) at a pumping rate ranging between 650 and 1,600 gpm. On September 25, 2012 the 200 West P&T was run for a 24 hour cycle with minimal staffing during the night. The automated systems worked and no adjustments were needed. During the days when the system was off line, maintenance and repair work was performed on the plant.
- The two ion exchange resin trains were often run at the full 600 gpm combined capacity removing Tc-99 from selected wells near the TX-TY and T Tank Farms as well as from the vicinity of the S-SX Tank Farm.
- Analytical testing has shown the plant is successfully reducing the concentration of contaminants to below cleanup levels as specified in the Record of Decision.

200-DV-1 Operable Unit

- The B Area perched water removal was shut down and placed into long term lay-up on September 19, 2012. To date, a total of 65,507 gallons of radiological and chemical contaminated effluent have been removed from the perched water zone

Pump and Treat Operations

P&T Operations has exceeded over a billion gallons of treated contaminated groundwater through September 2012.



MAJOR ISSUES

Issue - The number of comments on CERCLA documents and the need for policy and technical decisions is impacting contractual delivery due dates and decreasing float on major TPA Milestone M-015-00D “DOE shall complete the RI/FS process through the submittal of a Proposed Plan for all 100 and 300 Area operable units”. Working with the customer to resolve comments on “Ecological PRGs” used in the River Corridor RI/FS documents. Ecology has taken the position that they may want to default to the MTCA Terrestrial Ecological Evaluation, Table 749-3 values from the Tier 1 and 2 values used in the documents. A change such as this would have significant impact on the RI/FS documents.

Corrective Action –

- Develop materials to support technical discussions with Ecology
- DOE to schedule a technical meeting with Ecology staff and management.

Status – Met with Ecology on September 4, 2012 where the CHPRC technical approach was validated with minor revisions to the RI/FS documents and supporting materials. This issue has been resolved.

Issue - The 100-K RI/FS documents are on hold while discussions proceed on collecting additional samples from waste sites near the K-East reactor and from wastes sites close to the river that have culturally sensitive areas.

Corrective Action –

- DOE meeting with Tribal representatives to revise, or develop new Memoranda of Agreement for characterization in culturally sensitive areas.
- Washington Closure Hanford is leading (and CHPRC supporting) a DOE effort to scope a Data Quality Objective for characterizing in culturally sensitive areas.
- CHPRC working with DOE and EPA on path forward for characterizing waste sites near the K-East reactor.

Status – Tribal meetings are in progress. Initial DQO scoping meeting with EPA has taken place. A schedule has been developed and shared with RL and EPA for characterizing waste sites near the K-East reactor.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

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

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-045: Regulator Comments Change Requirements	Routine meetings to remain current on influences from regulators, and provide technical justification for proposed path forward.			Working with the customer on recent issues with “Irrigation Based PRGs” and “Ecological PRGs” used in the River Corridor RI/FS documents. The proposed change would have significant impact on the River Corridor RI/FS and PP documents. Assisted customer in development of a white paper for discussion with the regulators. Path forward for implementing Irrigation Based PRGs is being negotiated between the Tri Parties. <i>Negotiations with Regulators continue to cause rework.</i>
SGW-062: WSCF Availability or Performance	Develop workarounds to prepare samples for off-site analysis, evaluate hold-times and collect additional samples for Quality Control failures (hold-times)			Due to the issues at WSCF thousands of samples had to be sent to offsite labs for analysis. Due to the requirements of repackaging and shipping these samples offsite additional costs have been incurred. Costs have increased due to the overtime required to recover schedule.
SGW-080: 100-BC-5 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require a Request for Proposal (RFP)			Tri-Parties agree that additional groundwater monitoring for 2 years to determine the final remedy (expected to be MNA) is necessary.
SGW-081: 100-FR-3 Pump and Treat Required	This risk is accepted as written and will be monitored throughout work execution. CHPRC will implement the final action under the ROD; however, the actions may require an RFP			EPA concurred that need for pump and treat will be evaluated as part of RI/FS process. The draft feasibility study is evaluating P&T as viable in two alternatives. Current alternative discussions indicate that treatment is highly likely as a preferred alternative.
PRC-021A: Workforce Restructuring Caused by Funding Changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			CHPRC completed Workforce Restructuring for FY2012 and will monitor bump & roll impacts in first quarter of FY2013.

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-030/WBS 030				
SGW-017: Groundwater Flow Less Than Planned -200 West P&T	Installation of injection wells and extraction wells was accelerated to ensure the expected 2,000 gpm pumping rates will be achieved. Resources have already been utilized to update the test plan and perform associated construction activities (e.g. installation of well racks, tie-in of wells, lay HDPE). Five interim injection wells were recently hooked up to the 200 West P&T for additional injection capacity.	●	↔	Installation of 5 extraction and 1 injection wells in FY2013 plus the connection of 5 interim system injections well in FY2012 is anticipated to provide sufficient flow rates.
SGW-083, River Corridor Characterization	Additional characterization wells are required to support the development of an RI/FS and Proposed Plan for the River Corridor groundwater operable units or to investigate findings from WCH data gathering.	●	↓	At 100-K, current negotiations with EPA and the Tribes will result in the additional sampling near KE reactor and at culturally sensitive areas (K-111 and K-64). Current understanding is this additional data will be required to be incorporated in the 100-K RI/FS report and the PP, therefore causing delays in finalizing the Rev. 0 RI/FS report and the PP.
SGW-092: 200 West P&T Operating Requirements	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure continuous P&T operation.	●	↔	As preventative maintenance packages proceed through the development process, staffing levels will be evaluated to ensure the P&T facility achieves continuous operation.
SGW-135: Major Equipment Failure at 200W Pump & Treat	Utilize aggressive Corrective Maintenance program to ensure that staff is trained on new equipment. Perform design modifications/procedure revisions to accommodate unexpected conditions. Continue to work corrective maintenance issues as identified during acceptance testing.	●	↔	Continuing to resolve outstanding issues identified associated with construction risks. Continuing OTP and will continue to evaluate Spare Parts and maintenance program.
SGW-153: 200W P&T Contract Closeout Claims	Continue to negotiate with subcontractors to minimize the financial impact.	●	↔	Continuing to work project closeout with the General Contractor and their subcontractors. Negotiations taking longer than planned between subcontractors.

PROJECT BASELINE PERFORMANCE

Current Month

(\$M)

WBS 030/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 (%)
Base RL-0030.C1 GW Remedy Implement	0.2	0.0	2.0	(0.1)	-73.4	(1.9)	4019.8
ARRA RL-0030.R1.1 Cleanup Operations	0.0	0.0	(0.2)	0.0	0.0	0.2	0.0
ARRA RL-0030.R1.2 Well Drilling Operations	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>(0.0)</u>	<u>0.0</u>
Subtotal RL-0030.C	0.2	0.0	1.8	(0.1)	-73.4	(1.7)	3624.8
Base RL-0030.O1 RL 30 (Operations)	10.2	10.7	10.4	0.5	5.1	0.4	3.3
ARRA RL-0030.R1.3 Support Operations	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	<u>(0.0)</u>	0.0
Total	10.4	10.8	12.2	0.4	3.7	(1.4)	-12.9

Numbers are rounded to the nearest \$0.1M.

CM Schedule Performance

Current month schedule variance that exceeds reporting thresholds:

RL-0030.O1

Base RL-0030.O1 RL 30 (Operations) (+\$0.5M/5.1%)

The positive current month schedule variance is primarily due to operations support work scope during the OTP and startup of the 200 W Pump and Treat facility. The work scope was planned earlier in the fiscal year but was delayed due to the late completion of construction activities. All 200-ZP-1 operations work scope is now on schedule.

CM Cost Performance

Current month cost variance that exceeds reporting thresholds:

RL-0030.C (-\$1.9M/+4,019.8%)

Base RL-0030.C1 GW Remedy Implementation (-\$1.9M)

The current month negative cost variance is due to costs associated with punch list items and contract closeout costs as well as an increase in the estimate for final contract claim liabilities for 200-ZP-1.

Contract-to-Date (\$M)

WBS 030/ 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)
Base RL-0030.C1 GW Remedy Implement	73.4	73.3	84.7	(0.1)	-0.2	(11.5)	-15.6	73.4	85.1	(11.7)
ARRA RL-0030.R1.1 Cleanup Operations	175.0	175.0	174.6	0.0	0.0	0.4	0.2	175.0	174.6	0.4
ARRA RL-0030.R1.2 Well Drilling Operations	<u>40.7</u>	<u>40.7</u>	<u>38.4</u>	<u>0.0</u>	0.0	<u>2.4</u>	5.8	40.7	38.4	2.4
Subtotal RL-0030.C	289.1	289.0	297.7	(0.1)	-0.0	(8.7)	-3.0	289.1	298.0	(8.9)
Base RL-0030.O1 RL 30 (Operations)	465.8	467.9	463.4	2.0	0.4	4.5	1.0	1,158.8	1,150.7	8.1
ARRA RL-0030.R1.3 Support Operations	<u>51.4</u>	<u>51.4</u>	<u>51.1</u>	<u>(0.0)</u>	-0.0	<u>0.3</u>	0.5	51.4	51.1	0.3
Total	<u>806.4</u>	<u>808.3</u>	<u>812.2</u>	<u>1.9</u>	0.2	<u>(4.0)</u>	-0.5	1,499.4	1,499.9	(0.5)

Numbers are rounded to the nearest \$0.1M.

CTD Schedule Performance

Contract to date schedule variance is within reporting thresholds.

CTD Cost Performance

The primary contributors to the cost variances that exceed the reporting thresholds are discussed below:

Base RL-0030.C1 GW Remedy Implementation (-\$11.5M/-15.6%)

200-ZP-1 Operable Unit (-\$11.5M)

Major contributors to the variance are as follows:

- 200W P&T construction negative CV is associated with the CHPRC accrued costs for Construction Contractor's completed work scope defined in Change Notifications which are in the process of definitization. The costs are associated with the resources expended to complete the P&T facility by the end of FY2012 including added shifts, overtime, and logistics of working parallel activities.
- Sludge Stabilization System installation cost more than budgeted. There were significant delays in long lead equipment, field installation issues, design changes and schedule extensions that resulted in cost overruns.
- 200W P&T project support, engineering and field supervision costs increased due to the longer than expected schedule to complete construction punch list and the impacts on ATP activities.
- Design of the permanent hookup of well EW-1 was lower than planned as only minor changes were needed to an existing design.
- Positive CTD cost variances in P&T operational activities which have been previously reported are partially offsetting the negative cost variances listed above.

ARRA RL-0030.R1.2 Well Drilling Operations (+\$2.4M/+5.8%)

Drilling (+\$2.4M)

The positive CTD cost variance is primarily the result of prior year activity which has been previously reported.

Estimate at Completion (EAC)

ARRA – The projected variance at completion is +1.1%.

Base – The projected variance at completion of -0.3% is spread among several operational areas and is not considered significant.

ARRA – The EAC change from the previous month is within reporting thresholds.

Base – The EAC change from the previous month is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A and Appendix A-1.

FUNDS vs. SPEND FORECAST (\$M)

WBS 030/ RL-0030 Soil and Groundwater Remediation	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	0.6	0.5	0.0
Base	125.5	123.4	2.2
RL-0030 Total	126.1	123.9	2.2

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCRA-PRC-12-017R0 - *FY2012 to FY2013 Administrative Fiscal Year Splits*

FY2012 Management Reserve (Funded):

ARRA = \$0.0M

Base = \$0.0M

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Revision 3, implemented in November 2011, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones. The following table is a one year look ahead of commitments and TPA enforceable milestones and non-enforceable target due dates. TPA Milestones are currently being renegotiated between the Parties to align milestone work scope with anticipated FY2013 funding scenarios and Hanford site priorities.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-035	Submit April to June 3 rd Quarter FY2012 Burial Ground Sample Results	TPA	9/15/12	8/23/12		Complete. Submitted at August PMM, signed in September.
M-016-110-T01	Take Actions to Contain or Remediate Hexavalent Cr 100A GW Plumes	TPA	12/31/12		Pending RL Agreement on completion	White paper delivered to RL on 9/27/12 documenting completion. Awaiting RL comment.
M-015-70-T01	Submit RI/FS Report & PP for 100-HR-1/2/3 and 100-DR-1/2 OUs	TPA	1/12/12 (Original Due Date: 11/24/11)		12/14/12	Incorporated technical policy level decisions, as agreed to with 100-K, into Decisional Draft for D/H. RL has reviewed the RI/FS and PP reports and CHPRC is currently collaborating with RL on comment resolution.
M-015-68-T01	Submit RI/FS Report & PP for 100-BC-1/2/5 OUs	TPA	3/15/12 (Original Due Date: 11/30/11)		12/28/12	RL staff have been directed to not review the Decisional Draft of the RI/FS report due to pending negotiations for delaying the delivery of the document.
M-015-64-T01	Submit RI/FS Report and PP for 100-FR-1/2/3 and 100-IU-2/6	TPA	5/14/12 (Original Due Date: 12/17/11)		12/28/12	Incorporated technical policy level decisions, as agreed to with 100-K, into Decisional Draft for F/IU. RL has reviewed the RI/FS and PP reports.
M-015-62-T01	Submit a FS/PP for 100-NR-2-1/2 Operable Units Including groundwater and soil.	TPA	9/17/12		12/28/12	Missed – See Major Issues above. Working with RL staff to deliver documents in December.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-091-40L-036	PMM Submittal Jul-Sep 4th Qtr. FY2012 Burial Ground Sample Results	TPA	12/15/12		12/15/12	On Schedule
M-015-00D	Complete RI/FS Process by Submitting PPs for all 100 & 300 Area OUs	TPA	12/31/12		12/28/12	At Risk – See Major Issues above.
M-091-40L-37	PMM Submittal Oct-Dec 1st Qtr. FY2013 Burial Ground Sample Results	TPA	3/15/13		3/15/13	On Schedule
M-085-01	Submit a change package to establish a date for major milestone M-085-00.	TPA	3/30/13		3/30/13	Extended 6 months.
M-024-58F	Initiate Discussions of Well Commitments	TPA	6/1/13		6/1/13	On Schedule
M-091-40L-038	PMM Submittal Jan-Mar 2nd Qtr. FY2013 Burial Ground Sample Results	TPA	6/15/13		6/15/13	On Schedule
M-024-64-T01	Conclude Discussions of Well Commitments	TPA	8/1/2013		8/1/2013	On Schedule
M-091-40L-039	PMM Submittal Apr-Jun 3rd Qtr FY13 Burial Ground Sample Results	TPA	9/15/2013		9/15/2013	On Schedule

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section E

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



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

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

ARRA

- Completed planned abatement work on the Central Plateau Steam Lines.

Base

- No significant activity.

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
12-EMS DWF&RS-OB2-T1	Reduce the generation and release of toxic and hazardous chemicals and material.	Improve the spill prevention program to reduce the likelihood of spills by using spill prevention techniques, procedures, and surveillances.	9/30/12	100% completed

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	3	N/A
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA – U Plant/Other Decontamination and Decommissioning (D&D)

- Completed planned abatement work on ARRA subproject including off site shipment of asbestos waste.

Base

- Completed posting of confined space signage for a total of 1200 signs
- Performed Initial Command Post limited drill for Plutonium Uranium Extraction Plant (PUREX) with a satisfactory review
- Completed transfer of U Plant from D4 to Central Plateau S&M organization
- Completed first draft of procedure and schedule for surveillance of potential asbestos sites

- Completed annual National Emissions Standards for Hazardous Air Pollutants (NESHAPS) surveillance of B Plant stack
- Completed annual NESHAPS surveillance of PUREX stack
- Completed annual PUREX fire alarm and Radio Fire Alarm Reporter (RFAR) testing
- Completed quarterly SAMCON (data monitoring) and switchgear battery inspections at PUREX
- Completed balancing of B Plant fan EF-102.
- Completed 47 Radiation Area Remedial Action (RARA) radiological surveillances
- Completed 19 RARA Operational Surveillances
- Completed 11 preventive maintenance (PM) activities
- Completed 66 Facility Radiological Surveillances
- Completed Documented Safety Analysis (DSA) update for 224T and 224B

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-040/WBS 040				
D4-043: Unforeseen Facility Event Impacts Safety or Environment	Unexpected event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc., requires immediate D&D of a small to medium sized facility or requires unplanned facility repairs. Current management of the shutdown facilities includes corrective maintenance based upon historic experience.			Continuing corrective maintenance activities. No unplanned events encountered.
WSR-047: Unforeseen Waste Site Event	Unforeseen waste site event, including contamination or chemical spread, fire, industrial accident, structural degradation, etc. requires immediate disposition or modification to a waste site. Routine surveillance and maintenance of the waste sites, including herbicide applications, is designed to protect workers and the environment.			Continuing waste site inspections & surveillances. No unplanned events encountered.
WSR-007: More Extensive Contamination Than Expected	Cannot control extent of contamination; no mitigation.			No issues at this time.
WSR-008: No Action Waste Sites	Using L-8 table data; no mitigation.			No issues at this time.
WSR-028: Unexpected Liquid in Pipelines/Tanks	Anticipate liquids in field work plans; include spill response plans in RD/RAWPs.			No issues at this time.
PRC-010: Requirements Change	The remediation of asbestos was conducted in accordance with industry accepted techniques and processes. CHPRC is working with DOE-RL and other site contractors to ensure the asbestos abatement and containment procedures are adequate.			Recent site-wide notification regarding asbestos abatement areas could identify additional requirements regarding asbestos abatement and remediation from previously demolished structures. Contract modification complete to accept additional scope for abandoned steam lines.
PRC-014: Site-Wide Occurrence	The remediation of asbestos was conducted in accordance with industry accepted techniques and processes. All Hanford site Contractors have been requested to assess asbestos abatement and facility conditions.			Recent site-wide notification regarding asbestos abatement areas identifies that as a potential concern for cost and schedule growth. Contract modification complete to accept additional scope for abandoned steam lines.
PRC-021A: Workforce Restructuring Caused by Funding Changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			CHPRC completed Workforce Restructuring for FY2012 and will monitor bump & roll impacts in first quarter of FY2013.
D4-061: Re-Planting Efforts Are Unsuccessful	Prepare soil and conduct planting activities in accordance with subcontractor recommendations. Exercise warrantee provisions with subcontractor to reseed areas as appropriate.			Vegetation efforts are going slower than expected at the BC Control area. Continue to monitor the area.

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 (%)
U Plant/Other	0.0	0.0	0.1	0.0	0.0	(0.1)	0.0
Outer Zone	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>	0.0	0.0	0.0
Asbestos Abatement	<u>0.6</u>	<u>0.4</u>	<u>0.4</u>	<u>(0.2)</u>	<u>-35.0</u>	<u>(0.1)</u>	<u>-14.8</u>
ARRA Total	0.6	0.4	0.5	(0.2)	-35.0	(0.2)	-14.8
Base	<u>0.9</u>	<u>1.0</u>	<u>1.1</u>	<u>0.0</u>	<u>3.9</u>	<u>(0.1)</u>	<u>-11.7</u>
Total	1.5	1.3	1.6	(0.2)	-11.0	(0.2)	-18.4

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance: (-\$0.2M/-35.0%)

ARRA RL-0040.R1.1 U Plant/Other D&D - Work is Complete.

ARRA RL-0040.R1.2 Outer Zone - Work is Complete.

ARRA RL-0040.R1.4 Asbestos Abatement - Variance is within threshold.

CM Cost Performance: (+\$0.0M/+3.9%)

ARRA RL-0040.R1.1 - Work is Complete. Variance is within threshold.

ARRA RL-0040.R1.2 - Work is Complete. Variance is within threshold.

ARRA RL-0040.R1.4 - Variance is within threshold.

Base

CM Schedule Performance: (-\$0.2M/-11.0%)

Variance is within threshold.

CM Cost Performance: (-\$0.1M/-11.7%)

Variance is within threshold.

Contract-To-Date (\$M)

WBS 040/ RL-0040 Nuclear Facility D&D	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
U Plant/Other	199.4	199.4	193.7	(0.0)	0.0	5.7	2.9	199.4	193.6	5.8
Outer Zone	84.3	84.3	71.6	0.0	0.0	12.6	15.0	84.3	71.7	12.6
Asbestos Abatement	<u>1.8</u>	<u>1.8</u>	<u>1.5</u>	<u>0.0</u>	<u>0.0</u>	<u>0.3</u>	<u>17.2</u>	<u>1.8</u>	<u>1.6</u>	<u>0.2</u>
ARRA Total	285.5	285.5	266.9	0.0	0.0	18.6	6.5	285.5	266.9	18.6
Base	<u>78.9</u>	<u>78.7</u>	<u>71.3</u>	<u>(0.2)</u>	<u>-0.2</u>	<u>7.5</u>	<u>9.5</u>	<u>363.3</u>	<u>355.9</u>	<u>7.4</u>
Total	364.4	364.2	338.2	(0.2)	-0.1	26.1	7.2	648.8	622.8	26.0

Numbers are rounded to the nearest \$0.1M

ARRA

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

ARRA RL-0040.R1.1 U Plant/Other D&D - Variance is within reporting threshold.

ARRA RL-0040.R1.2 Outer Zone D&D - Variance is within reporting threshold.

ARRA RL-0040.R1.4 - The schedule variance is within threshold.

CTD Cost Performance: (+\$18.6M/+6.5%)

ARRA RL-0040.R1.1 U Plant/Other D&D - The positive cost variance is due to several factors including the favorable performance of the Cold and Dark and Sampling and Characterization/Waste Identification Form teams (D4); overhead allocations, less than anticipated resources for Program Management and C-3 Sampling; lower than planned costs for capital equipment (D4), and less asbestos abatement required for 200W buildings. This is offset by increased material and equipment costs, increased use of masks and respirators due to the unexpected asbestos levels in the ancillary buildings in U Ancillary (D4), coupled with increased insulator staff and the use of overtime to recover schedule, 200E Administration and 209E Project delays, less resources required at U Canyon (D4), and Usage Based Services higher than planned.

ARRA RL-0040.R1.2 Outer Zone D&D - The favorable cost variance is due to efficiencies in Arid Lands Ecology (ALE), North Slope Facilities, disposition of railcars D&D, and Outer Area waste sites. The waste site favorable cost-to-date variance is primarily due to an O-Zone Remove, Treat, and Dispose (RTD) Waste Sites adjustments (pass back) to ERDF waste disposal costs reflecting the operational efficiencies of the super dump trucks. Within the waste sites area, this favorable cost variance is partially offset by higher than planned costs associated with remediation of pipelines. A negative cost variance is associated with increased costs for the 212N/P/R Project due to the walls of the basins being much thicker than estimated.

ARRA RL-0040.R1.4 - The favorable cost variance is within threshold.

Base

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

The unfavorable CTD schedule variance is within threshold.

CTD Cost Performance: (+\$7.5M/+9.5%)

The favorable cost variance is primarily the result of Recognized efficiencies for demolition of the Industrial 7 Project (D4) as a result of utilization of existing site equipment and materials, surveillance and maintenance costs (D4) less than expected, completion of the sampling of Cell 30 with less resources

than planned, Program Management utilizing less resources, capital equipment, Usage Base Services, and underrun in overhead allocations.

Estimate at Completion (EAC)

The BAC and EAC include FY2009 through FY2018.

The changes in EAC from August to September for both ARRA and Base are within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A and Appendix A-1.

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

WBS 040/RL-0040 Nuclear Facility D&D	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	9.2	9.2	0.0
Base	<u>11.7</u>	<u>11.0</u>	<u>0.7</u>
RL-0040 Total	20.9	20.2	0.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical path analysis can be provided upon request.

Baseline Change Requests

BCR-040-12-007R0 - *Central Plateau Surplus Steam Lines Surveillance*

BCRA-PRC-12-017R0 - *FY2012 to FY2013 Administrative Fiscal Year Splits*

BCRA-PRC-12-019R0 - *FY2012 B.4 Table/Fee Alignment and MR Adjustment*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section F

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



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

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

PROJECT SUMMARY

American Recovery and Reinvestment Act (ARRA)

- Completed backfill of 100K Waste Sites in support of Phase 1 TPA Milestone M-016-053.

Base

Facilities

- 105-KE ISS preparation activities continue with construction of below-grade concrete pourbacks (overall 78% complete) and cleanout of combustible and hazardous materials inside the reactor building (overall 74% complete).
- Completed loadout activities for the KE Sedimentation Basin.
- Completed backfilling AG Zone 2.
- Completed load out at waste site UPR-100-K-1.

EMS OBJECTIVES AND TARGET STATUS

- EMS Objectives and Target Status for RL-0041 are included as part of the Objectives and Target Status for RL-0040.

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	30	<ul style="list-style-type: none"> 9/11/12 Employee was walking on worksite and failed to notice a raised area in path. Worker tripped over area landing on hands and knees. Body part affected: Palms, knees and left leg. (22898)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

ARRA

- Completed backfill of 100K Waste Sites.

Base

Facilities

- Completed lead and mercury removal, and began asbestos remediation and removal from the 3X Ball Room. Made preparations for removal of 800 gallons of water from the sump pit. Continued remaining cleanout of the upper floors. Cleanout of the reactor building interior is 74% complete overall.
- Completed pourback construction of the 3X Ball Room cover and at the east stairway and door openings. Below-grade concrete pourbacks are 78% complete overall.
- Submitted Technical Award Recommendation Report for the 105-KE Safe Storage Enclosure (SSE) Construction Contract.
- Completed load out of the 183.7 and 183.2 structures (KE Sedimentation Basin).

Waste Sites

- Completed backfilling at Area AG Zone 2 and c verification sampling at Area AG Zone 1.
- Completed load out at waste site UPR-100-K-1.
- Finalized re-vegetation plan including seed mix and application rate for Waste Sites.

MAJOR ISSUES

No major issues to report this month.

RISK MANAGEMENT STATUS

Unassigned Risk
Risk Passed
New Risk
Change

 Working - No Concerns
 Working - Concern
 Working - Critical

 Increased Confidence
 No Change
 Decreased Confidence

Risk Title	Risk Strategy/Handling	Assessment		Comments
		Month	Trend	
RL-041/WBS 041				
KBC-004: Contamination Depth Greater Than Planned	Cannot control extent of contamination; Mitigate risk utilizing total tons within the PMB volume for 100-K waste sites Remediation.			The 100K waste sites that have been remediated to date realized more tons of waste than planned. CHPRC will continue to use planned BCWS up to the planned PMB total tons estimated.
WSR-009: Different Remediation Approach	Clean up remedies are consistent with direction received from RL in the PRC. There is a risk that the regulators will require a different cleanup remedy than what is planned.			It has been demonstrated that with ISS of 105KE, two significant plumes will not be fully remediated under the RTD. The project is researching a long-term (i.e. 75 year) low cost stabilization that will retard water movement through the contaminated zone (i.e. contract modification to install asphalt barrier to cover 116-KE-1, 116-KE-3 and the UPR-100-K-1). Remediation and long-term stabilization must be determined and completed prior to initiating construction of the KE-Reactor structure.
KBC-020: Ecological/Cultural Conditions Restrict Field Activities	Accelerate cultural resource reviews; work with team to provide necessary information to mitigate resources issues. This risk will be monitored throughout work execution.			No issues at this time.
KBC-044: 100 K Waste Sites Require Haz Cat Controls	Existing characterization data indicates the likelihood of this risk occurring is low; risk accepted without mitigation.			Risk Passed – Will monitor for waste site characterization for potential controls in FY2013.
KBC-048: Unexpected Industrial Contamination	D-4 activities are conducted in accordance with CHPRC IH and Rad protection programs to minimize contamination spread. Prior to D&D activities, the existing and historical records are reviewed to identify areas of likely industrial contamination.			No concerns.
WSR-047: Unforeseen Waste Site Event	Perform routine surveillances and maintenance of waste sites including herbicide application.			No concerns.
PRC-010: Requirements Change	The remediation of asbestos was conducted in accordance with industry accepted techniques and processes. CHPRC is working with DOE-RL and other site contractors to ensure the asbestos abatement and containment procedures are adequate.			Continuing to monitor areas with asbestos concerns.
PRC-014: Site-Wide Occurrence	The remediation of asbestos was conducted in accordance with industry accepted techniques and processes. All Hanford site Contractors have been requested to assess asbestos abatement and facility conditions.			Continuing to monitor areas with asbestos concerns.
PRC-021A: Workforce Restructuring Caused by Funding Changes	Revise project schedules and work planning documents around workforce restructuring timelines. Work with other contractors to minimize impacts associated with Bump and Roll.			CHPRC completed a Workforce Restructuring for FY2012 and will monitor bump and roll impacts in first quarter of FY2013.

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 (%)
ARRA	0.3	0.3	0.0	0.0	9.9	0.3	91.5
Base	<u>3.2</u>	<u>3.0</u>	<u>2.1</u>	<u>-0.2</u>	-6.3	<u>0.8</u>	28.3
Total	3.5	3.3	2.1	-0.2	-5.0	1.1	34.1

Numbers are rounded to the nearest \$0.1M

ARRA

CM Schedule Performance (\$0.0M/+9.9%)

The variance is within reporting threshold.

CM Cost Performance (+\$0.3M/+91.5%)

The positive variance is within reporting threshold.

Base

CM Schedule Performance (-\$0.2M/+6.3%)

Waste Sites (+\$0.4M) The variance is within reporting threshold.

100K Area Project (Facilities and Others) (-\$0.6M) The negative variance is due taking performance in prior months for work that was schedule to be performed in current month.

CM Cost Performance (+\$0.8M/+28.3%)

Waste Sites (+\$0.2M) The variance is within reporting threshold.

100K Area Project (+\$0.6M) The positive variance is due to receiving credit passbacks (rate adjustments) this month and Work Force Restructuring costs below plan.

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)
ARRA	179.7	179.7	181.3	(0.0)	-0.0	(1.6)	-0.9	179.7	181.3	(1.6)
Base	110.8	112.9	92.5	2.1	1.9	20.4	18.1	337.6	322.1	15.5
Total	290.5	292.6	273.8	2.1	0.7	18.8	6.4	517.3	503.5	13.4

Numbers are rounded to the nearest \$0.1M

ARRA

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

Waste Sites (-\$0.0M) The variance is within reporting threshold.

100K Area Project (-\$0.0M) The variance is within reporting threshold.

CTD Cost Performance: (-\$1.6M/-0.9%)

Waste Sites (+\$9.0) The positive CTD cost variance is primarily the result of prior year activity which has been previously reported.

100K Area Project (-\$10.6M) The negative CTD cost variance is primarily the result of prior year activity which has been previously reported.

Base

CTD Schedule Performance (+\$2.1M/+1.9%)

Waste Sites (+\$2.8M) The positive schedule variance is due to CSNA sites that were completed early.

100K Area Project (Facilities and Others) (-\$0.7M) The variance is within reporting threshold.

CTD Cost Performance (+\$20.4M/+18.1%)

Waste Sites (+\$12.0M) The positive CTD cost variance is primarily the result of prior year activity which has been previously reported.

100K Area Project (Facilities and Others) (+\$8.4M) The positive cost variance is due to 105KE Reactor Disposition – ISS underrun, less demolition required on KE Sedimentation Basin as well as underruns in G&A and Direct Distributables.

Estimate at Completion (EAC)

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

Contract Performance Report Formats are provided in Appendix A and A-1.

FUNDS vs. SPEND FORECAST (\$M)

WBS 041/RL-0041 Nuclear Facility D&D – River Corridor	FY2012		
	Projected Funding	Spending Forecast	Spend Variance
ARRA	6.5	6.5	0.0
Base	<u>34.6</u>	<u>28.9</u>	<u>5.7</u>
RL-0041 Total	41.1	35.4	5.7

Numbers are rounded to the nearest \$0.1M.

Funds/Variance Analysis:

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

Critical Path Analysis can be provided upon request.

Baseline Change Requests

None currently identified.

MILESTONE STATUS

Tri-Party Agreement (TPA) milestones represent significant events in project execution. DOE Enforceable Agreement milestones were established to provide high-level visibility to critical deliverables and specific status on the accomplishment of these key events. The PMB Revision 3, implemented in November 2011, and subsequent approved BCRs define CHPRC planning with respect to TPA milestones.

Number	Title	Type	Due Date	Actual Date	Forecast Date	Status/ Comment
M-016-53	Complete the Interim Response Actions for the 100 K Area Phase I	TPA	12/31/12			On Schedule.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Section G

Fast Flux Test Facility Closure (RL-0042)



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

September 2012
CHPRC-2012-09, 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. The 400 Area water system continues to operate providing service to other occupants of the 400 Area and water for fire protection.

EMS OBJECTIVES AND TARGET STATUS

- EMS Objectives and Target Status for RL-0042 are included as part of the Objectives and Target Status for RL-0040.

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	1	1	<ul style="list-style-type: none"> 9/18/2012 - Worker was attaching a water hose when a wasp stung the worker on the ear lobe. Body part affected: Ear lobe (22896)
Near-Misses	0	0	N/A

KEY ACCOMPLISHMENTS

- Completed Documented Safety Analysis (DSA) update for FFTF
- Placed a new emergency response and spill kit in the 400 Area to comply with the requirements of the new Class II permit contingency plan.
- Responded to and cleaned up legacy spill of up to two gallons of oil in the 400 area.
- Supported DOE tour of Fuels and Materials Examination Facility with foreign nationals.
- Initiated FFTF roof repairs
- Completed two Preventive Maintenance (PM) packages/Operational Surveillances
- Completed four Radiological Surveillances

MAJOR ISSUES

None identified.

RISK MANAGEMENT STATUS

None identified.

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 (%)
Base	0.2	0.2	0.3	0.0	-0.0%	-0.1	-68.2%

Numbers are rounded to the nearest \$0.1M

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

The current period schedule variance is within thresholds.

CM Cost Performance: (-\$0.1M/-68.2%)

The current period cost variance is within threshold.

Contract-to-Date

(\$M)

RL-0042 FFTF Closure	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance (\$)	Schedule Variance (%)	Cost Variance (\$)	Cost Variance (%)	Budget at Completion (BAC)	Estimate at Completion (EAC)	Variance at Completion (VAC)
Base	13.8	13.8	12.2	0.0	0.0%	1.6	11.8	26.2	24.6	1.6

Numbers are rounded to the nearest \$0.1M

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

The schedule variance is within reporting thresholds.

CTD Cost Performance (+\$1.6M/+11.8%)

The favorable CTD cost variance reflects reduction in surveillance and maintenance requirements as the facility deactivation reached completion. Efficient use of resources to support deactivation activities with available time further aided in creating this favorable cost variance.

Estimate at Completion (EAC)

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

The change in EAC from August to September is within reporting thresholds.

Contract Performance Report Formats are provided in Appendix A.

FUNDS vs. SPEND FORECAST (\$M)

FY2012			
RL-0042 FFTF Closure	Projected Funding	Spending Forecast	Spend Variance
Base	2.0	1.7	0.3
Numbers are rounded to the nearest \$0.1M			

Funds Analysis:

Funding includes FY2011 carryover and FY2012 new Budget Authority.

Critical Path Schedule

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

Baseline Change Requests

BCRA-PRC-12-019R0 - *FY2012 B.4 Table/Fee Alignment and MR Adjustment*

MILESTONE STATUS

None currently identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None currently identified.

Appendix A

Contract Performance Reports

Format 1 - Work Breakdown Structure

Format 2 - Organizational Categories

Format 3 - Baseline

Format 4 - Staffing

Format 5 - Explanation and Problem Analysis



September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188			
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD						
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2012 / 08 / 27						
b. LOCATION (Address and ZIP Code) Richland, WA			b. NUMBER RL14788		b. PHASE			b. TO (YYYYMMDD) 2012 / 09 / 30								
			c. TYPE CPAF		d. SHARE RATIO		c. EVMS ACCEPTANCE NO YES X 9/18/2009									
5. CONTRACT DATA																
a. QUANTITY		b. NEGOTIATED COST 5,622,293	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK 24,850		d. TARGET PROFIT/ FEE 238,870	e. TARGET PRICE 5,861,163	f. ESTIMATED PRICE 5,822,511		g. CONTRACT CEILING 5,861,163	h. ESTIMATED CONTRACT CEILING 5,822,511		i. DATE OF OTB/OTS				
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE										
		MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager					
a. BEST CASE		5,475,377						c. SIGNATURE			d. DATE SIGNED 9/30/2012					
b. WORST CASE		5,648,390														
c. MOST LIKELY		5,583,641		5,647,143		63,502										
8. PERFORMANCE DATA																
WBS[1]	CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
	BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE							
	WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)	COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
ITEM (1)																
011 RL-11 NM Stabilization and Disposition PFP	14,121	10,445	9,727	(3,677)	718	534,710	526,330	539,058	(8,380)	(12,728)	0	0	0	894,350	888,732	5,619
012 RL-12 SNF Stabilization and Disposition	10,488	8,335	8,502	(2,154)	(167)	332,007	328,413	329,267	(3,595)	(854)	0	0	0	541,088	531,530	9,558
013 RL-13 Solid Waste Stabilization & Disposition	8,957	8,964	7,215	7	1,749	702,365	702,095	694,486	(270)	7,609	0	0	0	1,412,923	1,404,353	8,570
030 RL-30 Soil & Wtr Remediatn Grndwtr/Vadose Zone	10,395	10,778	12,169	383	(1,391)	806,374	808,275	812,239	1,901	(3,963)	0	0	0	1,499,360	1,499,903	(543)
040 RL-40 Nuclear Facility D&D Remainder of Hanford	1,512	1,346	1,594	(167)	(248)	364,423	364,239	338,151	(185)	26,088	0	0	0	648,836	622,792	26,044
041 RL-41 Nuclear Facility D&D - River Corridor	3,444	3,272	2,157	(172)	1,114	290,509	292,646	273,800	2,137	18,845	0	0	0	517,368	503,468	13,900
042 RL-42 FFTF Closure	195	195	328	(0)	(133)	13,847	13,847	12,211	0	1,637	0	0	0	26,202	24,599	1,603
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
d. Undist. Budget																
e. Sub Total	49,113	43,334	41,692	(5,779)	1,642	3,044,236	3,035,845	2,999,212	(8,391)	36,634	0	0	0	5,540,126	5,475,377	64,749
f. Management Reserve														108,264		
g. Total	49,113	43,334	41,692	(5,779)	1,642	3,044,236	3,035,845	2,999,212	(8,391)	36,634	0	0	0	5,648,390		
9. Reconciliation to CBB																
a. Variance Adjustment																
b. Total Contract Variance									(8,391)	36,634				5,648,390	5,475,377	173,013

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				b. FROM (YYYYMMDD) 2012 / 08 / 27									
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788				b. PHASE				b. TO (YYYYMMDD) 2012 / 09 / 30									
c. TYPE CPAF		d. SHARE RATIO				c. EVMS ACCEPTANCE NO YES X 9/18/2009													
5. PERFORMANCE DATA																			
ITEM (1)	FOC	CURRENT PERIOD				CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION					
		BUDGETED COST		ACTUAL COST		VARIANCE		BUDGETED COST		ACTUAL COST		VARIANCE		COST VARIANCE (12a)	SCHEDULE VARIANCE (12b)	BUDGET (13)	BUDGETED (14)	ESTIMATED (15)	VARIANCE (16)
		WORK SCHEDULED (2)	WORK PERFORMED (3)	WORK PERFORMED (4)	SCHEDULE (5)	COST (6)	WORK SCHEDULED (7)	WORK PERFORMED (8)	WORK PERFORMED (9)	SCHEDULE (10)	COST (11)								
30A - Project Services & Support																			
011.A - Proj Services & Support		0	0	0	0	0	62,534	62,534	54,914	0	7,619	0	0	0	62,534	54,914	7,619		
012.A - Proj Services & Support		0	0	0	0	0	30,631	30,631	29,037	0	1,594	0	0	0	30,631	29,037	1,594		
013.A - Proj Services & Support		0	0	0	0	0	80,655	80,655	76,101	0	4,554	0	0	0	80,655	76,101	4,554		
030.A - Proj Services & Support		0	0	0	0	0	63,710	63,710	66,183	0	(2,473)	0	0	0	63,710	66,183	(2,473)		
040.A - Proj Services & Support		0	0	0	0	0	47,955	47,955	38,102	0	9,853	0	0	0	47,955	38,102	9,853		
041.A - Proj Services & Support		0	0	0	0	0	36,959	36,959	29,926	0	7,032	0	0	0	36,959	29,926	7,032		
042.A - Proj Services & Support		0	0	0	0	0	1,604	1,604	1,492	0	112	0	0	0	1,604	1,492	112		
		0	0	0	0	0	324,047	324,047	295,756	0	28,291	0	0	0	324,047	295,756	28,291		
30B - WBS 98 PSD Distribution																			
011.A1 - Project Specific Distributables		0	0	0	0	0	16,561	16,561	17,047	0	(486)	0	0	0	16,561	17,047	(486)		
013.A1 - Project Specific Distributables		0	0	0	0	0	10,645	10,645	14,888	0	(4,244)	0	0	0	10,645	14,888	(4,244)		
030.A1 - Project Specific Distributables		0	0	0	0	0	8,173	8,173	10,290	0	(2,116)	0	0	0	8,173	10,290	(2,116)		
040.A1 - Project Specific Distributables		0	0	0	0	0	20,184	20,184	17,326	0	2,858	0	0	0	20,184	17,326	2,858		
041.A1 - Project Specific Distributables		0	0	0	0	0	12,155	12,155	10,176	0	1,979	0	0	0	12,155	10,176	1,979		
		0	0	0	0	0	67,718	67,718	69,727	0	(2,008)	0	0	0	67,718	69,727	(2,008)		
30C - WBS 98 R&RP Distribution																			
011.A2 - PSD R&RP		0	0	0	0	0	950	950	1,230	0	(280)	0	0	0	950	1,230	(280)		
012.A2 - PSD R&RP		0	0	0	0	0	0	0	1,409	0	(1,409)	0	0	0	0	1,409	(1,409)		
013.A2 - PSD R&RP		0	0	0	0	0	1,132	1,132	2,294	0	(1,162)	0	0	0	1,132	2,294	(1,162)		
030.A2 - PSD R&RP		0	0	0	0	0	989	989	3,154	0	(2,164)	0	0	0	989	3,154	(2,164)		
040.A2 - PSD R&RP		0	0	0	0	0	1,076	1,076	705	0	371	0	0	0	1,076	705	371		
041.A2 - PSD R&RP		0	0	0	0	0	854	854	604	0	250	0	0	0	854	604	250		
042.A2 - PSD R&RP		0	0	0	0	0	0	0	22	0	(22)	0	0	0	0	22	(22)		
		0	0	0	0	0	5,000	5,000	9,417	0	(4,417)	0	0	0	5,000	9,417	(4,417)		
30W - WBS 98 WFR Distribution																			
011.A3 - PSD WFR		0	0	0	0	0	2,996	2,996	2,996	0	0	0	0	0	2,996	2,996	0		
012.A3 - PSD WFR		0	0	0	0	0	22	22	22	0	0	0	0	0	22	22	0		
013.A3 - PSD WFR		0	0	0	0	0	12,490	12,490	12,490	0	0	0	0	0	12,490	12,490	0		
040.A3 - PSD WFR		0	0	0	0	0	2,053	2,053	2,053	0	0	0	0	0	2,053	2,053	0		
041.A3 - PSD WFR		0	0	0	0	0	2,568	2,568	2,568	0	0	0	0	0	2,568	2,568	0		
		0	0	0	0	0	20,128	20,128	20,128	0	0	0	0	0	20,128	20,128	0		
34 - Environmental Prog & Strategic Planning																			
030.2 - Env Prog & Strategic Planning		498	687	546	190	141	37,072	37,072	33,953	0	3,120	0	0	0	79,670	76,525	3,145		
		498	687	546	190	141	37,072	37,072	33,953	0	3,120	0	0	0	79,670	76,525	3,145		
35 - Business Services																			
012.3 - Transition (PTB)		0	0	0	0	0	21,768	21,768	21,768	0	0	0	0	0	21,768	21,768	0		
030.9F - Ramp Up/Transition - Fac		0	0	0	0	(0)	23,047	23,047	23,520	0	(473)	0	0	0	23,047	23,520	(473)		
		0	0	0	0	(0)	44,816	44,816	45,288	0	(473)	0	0	0	44,816	45,288	(473)		
37 - Company Level Initiatives																			
011.7W - PRC WFR		1,454	1,454	855	0	599	1,818	1,818	1,219	0	599	0	0	0	1,818	1,219	599		
012.7W - PRC WFR		1,126	1,126	539	0	587	1,363	1,363	776	0	587	0	0	0	1,363	776	587		
013.7W - PRC WFR		1,344	1,344	815	0	529	1,702	1,702	1,172	0	529	0	0	0	1,702	1,172	529		
030.7W - PRC WFR		1,437	1,437	600	0	837	1,705	1,705	868	0	837	0	0	0	1,705	868	837		
040.7W - PRC WFR		176	176	103	0	73	224	224	150	0	74	0	0	0	224	150	74		
041.7W - PRC WFR		281	281	132	0	149	337	337	188	0	149	0	0	0	337	188	149		
042.7W - PRC WFR		27	27	13	0	14	33	33	19	0	14	0	0	0	33	19	14		
		5,845	5,845	3,055	0	2,789	7,182	7,182	4,393	0	2,789	0	0	0	7,182	4,393	2,789		
3B - PFP Closure, BOS & Infrastructure																			
011.1 - Plutonium Finishing Plant		12,667	8,991	8,872	(3,677)	119	449,851	441,472	461,652	(8,380)	(20,180)	0	0	0	809,491	811,325	(1,834)		
		12,667	8,991	8,872	(3,677)	119	449,851	441,472	461,652	(8,380)	(20,180)	0	0	0	809,491	811,325	(1,834)		
3C - W&FMP/D&D Project																			
012.1 - 100 K Area Project		2,368	2,368	2,116	0	252	114,904	114,904	116,648	0	(1,745)	0	0	0	197,687	199,214	(1,528)		
012.2 - Sludge Treatment Project		6,994	4,841	5,847	(2,154)	(1,007)	163,319	159,724	159,607	118	(3,595)	0	0	0	289,617	279,304	10,313		
013.1 - Waste Management		7,613	7,620	6,400	7	1,220	595,742	595,472	587,541	(270)	7,931	0	0	0	1,306,300	1,297,408	8,892		
040.1 - PRC D&D		587	384	518	(203)	(134)	191,549	191,549	187,964	(0)	3,585	0	0	0	290,804	287,219	3,585		
040.2 - D&D Fac Waste Site Remediation		0	0	5	0	(5)	67,490	67,600	60,124	110	7,477	0	0	0	187,262	179,896	7,367		
041.1 - River Zone		2,710	2,086	1,438	(624)	(648)	171,279	170,591	182,152	(688)	(11,561)	0	0	0	358,982	373,041	(14,059)		
041.3 - Waste Sites		453	905	587	452	318	66,358	69,183	48,187	2,825	20,996	0	0	0	105,514	86,965	18,549		
042.1 - FFTF		169	169	315	(0)	(147)	12,211	12,211	10,677	0	1,534	0	0	0	24,566	23,066	1,500		
040.3 - PRC Fac & Waste Site Maint		750	786	968	36	(182)	33,893	33,599	31,728	(295)	1,871	0	0	0	99,279	97,343	1,936		
		21,643	19,157	18,195	(2,486)	962	1,416,746	1,414,833	1,384,828	(1,912)	30,205	0	0	0	2,860,010	2,823,456	36,554		
3D - Soil & Groundwater Remediation																			
030.1 - Soil & GW Remediation		8,307	8,633	9,246	326	(613)	398,626	400,649	383,405	2,023	17,244	0	0	0	1,045,193	1,024,340	20,853		
		8,307	8,633	9,246	326	(613)	398,626	400,649	383,405	2,023	17,244	0	0	0	1,045,193	1,024,340	20,853		
3F - Engineering, Projects & Construction																			
030.3 - EPC - Groundwater		153	20	1,777	(133)	(1,757)	273,050	272,929	290,867	(121)	(17,938)	0	0	0	276,872	295,024	(18,152)		
		153	20	1,777	(133)	(1,757)	273,050	272,929	290,867	(121)	(17,938)	0	0	0	276,872	295,024	(18,152)		
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		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
e. Sub Total		49,113	43,334	41,692	(5,7														

FORMAT 3, DD FORM 2734/3, BASELINE

September 2012 Monthly Report

CONTRACT PERFORMANCE REPORT FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS			Form Approved OMB No. 0704-0188																
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA				2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009				4. REPORT PERIOD a. FROM: 2012/08/26 b. TO: 2012/09/30																				
5. CONTRACT DATA																																
a. ORIGINAL NEGOTIATED COST 4,312,366				b. NEGOTIATED CONTRACT CHANGE \$1,309,926		c. CURRENT NEGOTIATED COST (A + B) \$5,622,293		d. ESTIMATED COST AUTH UNPRICED WORK 24,850		e. CONTRACT BUDGET BASE (C + D) \$5,647,143		f. TOTAL ALLOCATED BUDGET \$5,648,390		g. DIFFERENCE (E - F) (\$1,247)																		
h. CONTRACT START DATE 6/19/2008				i. DEFINITIZATION DATE 6/19/2008			j. PLANNED COMPL DATE 9/30/2018			k. CONT COMPLETION DATE 9/30/2018			l. EST COMPLETION DATE 9/30/2018																			
6. PERFORMANCE DATA																																
ITEM (1)			BCWS CUM TO DATE (2)		BCWS FOR REPORT PERIOD (3)		SIX MONTH FORECAST						FY09 (10)		FY10 (11)		FY11 (12)		FY12 (13)		OUT YEARS (14)		UNDISTRIB BUDGET (15)		TOTAL BUDGET (16)							
							+1 Oct-12 (4)	+2 Nov-12 (5)	+3 Dec-12 (6)	+4 Jan-13 (7)	+5 Feb-13 (8)	+6 Mar-13 (9)																				
a. PM BASELINE (BEGIN OF PERIOD)			2,995,123		42,441		37,717		55,199		47,930		50,397		46,247		47,365		653,426		960,017		1,002,105		426,189		2,496,039		0		5,537,776	
b. BASELINE CHANGES AUTH DURING REPORT PERIOD																																
BCR-011-12-005R0 - PFP ARRA-Base Scope-Funds Alignment																																
BCR-011-12-006R0 - PFP CVS Maintenance and 2712-Z Facility Modification																																
BCR-012-12-004R0 - 100KW Annex Incorporation of Design Changes and Assoc. Title 3 Support																																
BCR-040-12-007R0 - Central Plateau Surplus Steam Lines Surveillance																																
BCRA-PRC-12-017R0 - FY2012 to FY2013 Administrative Fiscal Year Splits																																
BCRA-PRC-12-019R0 - FY2012 B.4 Table/Fee Alignment and M/R Adjustment																																
c. PM BASELINE (END OF PERIOD)			3,044,236		49,113		31,473		45,870		39,758		41,699		38,026		39,068		653,426		960,017		1,002,105		428,688		2,495,890		0		5,540,126	
7. MANAGEMENT RESERVE																																
8. TOTAL																																

Block 5.g "Difference" is attributable to allocable G&A and DD costs for definitized Change Orders/Contract Modifications.

CLASSIFICATION (When Filled In)

CONTRACT PERFORMANCE REPORT

FORMAT 4 - STAFFING

FORM APPROVED

OMB No. 0704-0188

1. CONTRACTOR		2. CONTRACT		3. PROGRAM		4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract		a. NAME Plateau Remediation Contract		a. FROM (YYYYMMDD) 2012 / 08 / 27	
b. LOCATION (Address and ZIP Code) Richland, WA		b. NUMBER RL14788		b. PHASE		b. TO (YYYYMMDD) 2012 / 09 / 30	
		c. TYPE CPAF	d. SHARE RATIO	c. EVMS ACCEPTANCE NO 9/18/2009			

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

FOC Group by FOC	ACTUAL CURRENT PERIOD	ACTUAL END OF CURRENT PERIOD (Cumulative)	FORECAST (Non-Cumulative)								AT COMPLETION		
			SIX MONTH FORECAST						SPECIFIED PERIODS		REM FY13	FY14-18	(15)
			+1 Oct	+2 Nov	+3 Dec	+4 Jan	+5 Feb	+6 Mar	(12)	(13)			
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(12)	(13)	(15)		
30B - WBS 98 PSD Distribution													
011.A1 - Project Specific Distributables	0	1	0	0	0	0	0	0	0	0	0	1	
013.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
030.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
040.A1 - Project Specific Distributables	0	0	0	0	0	0	0	0	0	0	0	0	
	0	1	0	0	0	0	0	0	0	0	0	1	
31 - Communications & Outreach													
000.1 - Communications & Outreach	6	525	7	7	7	7	7	7	7	42	420	1,029	
	6	525	7	7	7	7	7	7	7	42	420	1,029	
32 - Safety, Health, Security & Quality													
000.2 - Safety, Health, Security/Quality	56	4,432	61	61	61	61	61	61	61	365	2,889	8,051	
	56	4,432	61	61	61	61	61	61	61	365	2,889	8,051	
34 - Environmental Prog & Strategic Planning													
000.4 - Environmental Prog & Strategic Planning	18	967	21	21	21	21	21	21	21	138	957	2,188	
030.2 - Envr Prog & Strategic Planning	12	1,380	22	22	22	22	22	22	22	129	1,702	3,341	
	30	2,347	43	43	43	43	43	43	43	267	2,660	5,529	
35 - Business Services													
000.6A - Expense PSD	0	1,302	0	0	0	0	0	0	0	0	0	1,302	
000.8 - Chief Financial Officer	83	5,205	99	99	99	99	99	99	99	595	5,579	11,974	
000.9 - Chief Information Officer	0	4	0	0	0	0	0	0	0	0	0	4	
011.9T - Ramp Up/Transition - Training	0	15	0	0	0	0	0	0	0	0	0	15	
013.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1	
013.9T - Ramp Up/Transition - Training	0	11	0	0	0	0	0	0	0	0	0	11	
030.9F - Ramp Up/Transition - Fac	0	272	0	0	0	0	0	0	0	0	0	272	
030.9T - Ramp Up/Transition - Training	0	7	0	0	0	0	0	0	0	0	0	7	
040.9F - Ramp Up/Transition - Fac	0	2	0	0	0	0	0	0	0	0	0	2	
040.9T - Ramp Up/Transition - Training	0	18	0	0	0	0	0	0	0	0	0	18	
041.9F - Ramp Up/Transition - Fac	0	1	0	0	0	0	0	0	0	0	0	1	
041.9T - Ramp Up/Transition - Training	0	13	0	0	0	0	0	0	0	0	0	13	
	83	6,851	99	99	99	99	99	99	99	595	5,579	13,619	
36 - Prime Contract & Project Integration													
000.7 - Contract and Baseline Management	29	1,840	42	42	42	42	42	42	42	252	2,373	4,716	
	29	1,840	42	42	42	42	42	42	42	252	2,373	4,716	
39 - PS&S G&A Adder Offset													
000.5B - PS&S G&A Adder Offset	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
3B - PFP Closure													
011.1 - Plutonium Finishing Plant	333	26,050	481	505	504	502	502	513	2,907	8,470	8,470	40,433	
	333	26,050	481	505	504	502	502	513	2,907	8,470	8,470	40,433	
3C - W&FMP/D&D Project													
012.1 - 100 K Area Project	96	6,366	105	105	105	105	105	105	629	2,266	2,266	9,890	
012.2 - Sludge Treatment Project	127	5,453	156	156	156	137	117	114	669	2,641	2,641	9,600	
013.1 - Waste Management	284	30,851	361	361	361	361	361	361	2,180	25,043	25,043	60,241	
013.3 - Solid Waste Variable	7	624	9	9	9	9	9	9	54	540	540	1,272	
040.1 - PRC D&D	10	7,519	0	0	0	0	0	0	0	3,563	3,563	11,082	
040.2 - D&D Fac Waste Site Remediation	0	1,341	0	0	0	0	0	0	0	1,425	1,425	2,766	
040.3 - PRC Fac & Waste Site Maint	38	2,033	51	49	40	40	40	50	254	2,318	2,318	4,876	
041.1 - River Zone	49	5,601	62	55	56	56	56	48	287	3,626	3,626	9,847	
041.3 - Waste Sites	16	1,082	3	1	0	0	0	0	1	898	898	1,987	
042.1 - FFTF	5	576	7	7	7	7	7	7	41	413	413	1,072	
	632	61,447	754	743	735	715	696	694	4,115	42,733	42,733	112,632	
3D - Soil & Groundwater Remediation													
030.1 - Soil & GW Remediation	223	15,367	277	281	287	293	302	308	1,999	16,238	16,238	35,352	
	223	15,367	277	281	287	293	302	308	1,999	16,238	16,238	35,352	
3F - Engineering, Projects & Construction													
000.F - Eng/Procurement & Construction	14	1,204	16	16	16	16	16	16	93	766	766	2,157	
030.3 - EPC - Groundwater	2	3,329	14	6	4	0	0	1	25	128	128	3,507	
	17	4,534	30	21	20	16	16	16	119	894	894	5,664	
Grand Totals:	1,408	123,393	1,793	1,802	1,797	1,778	1,767	1,783	10,661	82,255	82,255	227,030	

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES							FORM APPROVED OMB No. 0704-0188		
1. CONTRACTOR			2. CONTRACT			3. PROGRAM		4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract		a. FROM (YYYY/MM/DD) 2012/08/27	
b. LOCATION (Address and ZIP Code) Richland, WA 99354			b. NUMBER RL		b. PHASE Base and ARRA		b. TO (YYYY/MM/DD) 2012/09/30		
			c. TYPE CPAF	d. SHARE RATIO		c. EVMS ACCEPTANCE 2009/09/18 NO YES X			
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	49,113	43,334	41,692	(5,779)	-11.8%	1,642	3.8%	0.88	1.04
Cumulative:	3,044,236	3,035,845	2,999,212	(8,391)	-0.3%	36,634	1.2%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	5,540,126	5,475,377	64,749	1.2%	1.0	1.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month unfavorable Schedule Variance (-\$5.8M) is primarily due to RL-0011 PFP Closure Project negative variance (-\$3.7M) resulting from performance earned in prior periods on work planned in this month (procure SLB2 containers, PFNW treatment and size reduction of TRU gloveboxes), delays in 234-5Z glovebox removal and process piping removal resulting from stop work on beryllium-related scope, actions required to respond to and mitigate rapid increase in worker radiological dose in Room 235A-2, and more complex or time-consuming scope, or resource availability. The RL-0012 Sludge Treatment Project negative variance (-\$2.2M) results from delays to Annex Construction attributed to design changes and a slow start on construction activities by the contractor. KOP work completed ahead of schedule with BCWS being realized in the current month, and delays in completing ECRTS final design due to the large number of technical review comments that required resolution.</p> <p>Current Period Cost Variance: The Current Month favorable Cost Variance (+\$1.6M) is primarily reflected in RL-0013 due to credits for labor rates, MSA rates, and WFO allocations below plan and in RL-0041 due to waste site volumes below plan, coupled with MSA usage less than anticipated. Those favorable cost variances were partially offset by an unfavorable cost variance in RL-0030 due to the 200W P&T project experiencing higher than planned costs for completion of punchlist items, Operations requests for changes, contract closeout and additional contractor claims.</p> <p>Cumulative Schedule Variance: The Cumulative Schedule Variance (-\$8.4M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$36.6M) is within reporting thresholds and consists of favorable and unfavorable cost variances in direct projects (+\$14.7M) and prior year G&A/DD/PSD distribution variances (+21.9M).</p>									
Impact:									
<p>Current Period Schedule: No significant impacts by PBS have been identified.</p> <p>Current Period Cost: No significant impacts by PBS have been identified.</p>									
<p>CTD Schedule: For PBS RL-11, KPP - Given the schedule impacts to date and the remaining time to recover, the PFP project will continue working four fieldwork teams until the completion of the KPP glovebox work scope is completed in May 2014. This will allow in-situ size reduction of gloveboxes to complete as planned in May 2014. The continuation of four teams to support KPP completion has been incorporated into the FY2013 PMB Update. Base - Delayed reassignment of D&D field teams is pushing completion of follow-on work, causing closeout activities to slip beyond baseline completion. The top ten critical float paths contain activities associated with 291-Z-001 Stack demolition; D&D 234-5Z backside rooms; 234-5Z process vacuum and process support equipment removal; and demolition of facilities. The FY2013 PMB Update reflects slightly over a one-year delay to the PMB 3 plan for PFP closeout. This includes delays due to reduced funding and opportunities, and implementation of breakthrough initiatives. Completion of TPA Milestones is forecast to occur on or before the due dates. For RL-12, RL-13, RL-30, RL-40, RL-41 and RL-42, the schedule variance is within threshold with no significant impact.</p> <p>CTD Cost: For PBS RL-11, An over-run at completion is forecast, primarily due to sunk costs from prior years related to greater complexity of work than originally assumed. The FY2012 cost impacts are unrecoverable. Cost savings or cost impact, resulting from schedule impacts discussed above, have been incorporated into the FY2013 PMB Update. The EAC excludes the cost of extending support staff as a result of funding reductions in FY2013 and FY2014, and does not reflect the PMB Update. For RL-12, RL-13, RL-30, RL-40, RL-41 and RL-42, the cost variance is within threshold with no significant impact. In RL-13, RL-040, RL-41 and RL-42, under runs are forecast based on efficiencies, partially offset by roof repair expected later this fiscal year in RL-42.</p>									

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

Corrective Action:

Current Period Schedule: For PBS RL-11, and RL-41, see CTD Schedule. No other corrective actions are required.

Current Period Cost: For RL-41 D&D, current cost variances are covered by efficiencies in other D&D areas. O-Zone Waste Site remediation current cost variances are favorable; no corrective action required. Cost overruns are being managed and actions are being taken to funds manage cost overruns and underruns. No other corrective actions are required.

CTD Schedule: For PBS RL-11, the following corrective actions are in place: 1. BCR-PRC-12-016R0, "FY2013 Annual PMB Update," will extend schedule and increase budget for the PFP Closure Project, as a result of funding reductions in FY2013 and FY2014. The BCR will be implemented in October 2012 and will apply more resources to RMA/RMC to meet overall PFP schedule objectives. 2. Overtime is being used for specific priority work scope to recover schedule slippage. 3. Two process vacuum line teams will be fully staffed in October 2012, which will accelerate 26" process vacuum removal and result in more timely size reduction of removed piping. RL-41 has implemented a BCR to address additional soil contamination (realized risk). Schedule recovery actions are being explored to recover the D&D structure demolition and waste site remediation schedule activities where they can to offset where other demolition and remediation activities have been delayed. No other corrective actions are required.

CTD Cost: For RL-30, Cost overruns for the 200 West Pump and Treat System are being addressed and additional funding will be identified as required. For RL-41, change requests and REAs are being prepared to address additional soil contamination efforts not priced in the original contract. No other corrective actions are required.

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

Reversal of recent positive trends in schedule and cost performance primarily resulted from unfavorable September schedule variance in two projects:

- RL-0011 PFP Closure Project due to performance earned in prior periods on work planned in this month (procure SLB2 containers, PFNW treatment and size reduction of TRU gloveboxes), delays in 234-5Z glovebox removal and process piping removal resulting from stop work on beryllium-related scope, actions required to respond to and mitigate rapid increase in worker radiological dose in Room 235A-2, and more complex or time-consuming scope, or resource availability, and
- RL-0012 Sludge Treatment Project due to delays to Annex Construction attributed to design changes and a slow start on construction activities by the contractor, KOP work completed ahead of schedule with BCWS being realized in the current month, and delays in completing ECRTS final design due to the large number of technical review comments that required resolution.

Cost performance in September reflects favorable cost variance in RL-0013 due to credits for labor rates, MSA rates, and WFO allocations below plan and in RL-0041 due to waste site volumes below plan, coupled with MSA usage less than anticipated. Those favorable cost variances were partially offset by an unfavorable cost variance in RL-0030 due to the 200W P&T project experiencing higher than planned costs for completion of punchlist items, Operations requests for changes, contract closeout and additional contractor claims. These are being addressed as are cost impacts of additional soil contamination not priced in the original contract.

Corrective actions are reflected in the FY2013 Annual PMB Update to be implemented in Oct-2012. For PFP, corrective actions include applying more resources to RMA/RMC to meet overall PFP schedule objectives, use of overtime to recover schedule slippage and use of two process vacuum line teams to accelerate 26" process vacuum removal and result in more timely size reduction of removed piping. Additionally, schedule recovery actions are being explored to recover the D&D structure demolition and waste site remediation schedule activities where they can to offset delays of other demolition and remediation activities.

No other significant impacts have been identified and no other corrective actions are required.

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

Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is a positive \$64.7 million and +1.2% and is within reporting thresholds. The VACs for each project baseline summary (PBS) are also within the threshold limits. For information, the VAC threshold limits are +or- 5% and +or- \$15 million.

Format 1 and 3 Contract Data:

Contract Price Adjustments

Base & ARRA	
CPs - In Process	
	Total Authorized Unpriced Work
	\$24,850,480
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)	
	Total Negotiated Cost Changes
	-
	Grand Total Adjustments
	\$24,850,480

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

Use of Management Reserve (MR):				
Management Reserve Utilization				
BCR Number	Title	Fiscal Year	MR (ARRA) & PBS	MR (Base) & PBS
BCR-011-12-005R0	<i>PFP ARRA-Base Scope-Funds Alignment</i>	2012	N/A	-\$662.2
		2013		\$749.9
		2014		-\$70.3
BCRA-PRC-12-019R0	<i>FY2012 B.4 Table/Fee Alignment and M/R Adjustment</i>	2012	N/A	-\$23,015.9
		2013		\$23,015.9
BCR-011-12-006R0	<i>PFP CVS Maintenance and 2712-Z Facility Modification</i>	2012	N/A	-\$63.1
		2013		-\$474.7
BCR-012-12-004R0	<i>100KW Annex Incorporation of Design Changes and Associated Title 3 Support</i>	2012	N/A	-\$194.8
		2013		-\$1,578.9
Overall MR Change in September 2012 decreased -\$2,294K				
<p>Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the BAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.</p>				
Prepared by: Project Control Staff		Date: 10/20/2012	Approved by:	Date:

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

Appendix A-1

Contract Performance Reports

ARRA

Format 1 - Work Breakdown Structure

Format 3 - Baseline

Format 5 - Explanation and Problem Analysis



September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

CLASSIFICATION (When Filled In)																	
CONTRACT PERFORMANCE REPORT FORMAT 1 - WORK BREAKDOWN STRUCTURE											DOLLARS IN Thousands of \$		FORM APPROVED OMB No. 0704-0188				
1. CONTRACTOR			2. CONTRACT				3. PROGRAM			4. REPORT PERIOD							
a. NAME CH2M HILL Plateau Remediation Company			a. NAME Plateau Remediation Contract				a. NAME Plateau Remediation Contract			a. FROM (YYYYMMDD) 2012 / 08 / 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) 2012 / 09 / 30							
c. TYPE CPAF			d. SHARE RATIO														
5. CONTRACT DATA																	
a. QUANTITY		b. NEGOTIATED COST	c. ESTIMATED COST OF AUTHORIZED UNPRICED WORK		d. TARGET PROFIT/ FEE	e. TARGET PRICE	f. ESTIMATED PRICE		g. CONTRACT CEILING	h. ESTIMATED CONTRACT CEILING		i. DATE OF OTB/OTS (YYYYMMDD)					
		1,307,044	0		71,360	1,378,404	1,375,957		1,378,404	1,375,957							
6. ESTIMATED COST AT COMPLETION						7. AUTHORIZED CONTRACTOR REPRESENTATIVE											
			MANAGEMENT ESTIMATE AT COMPLETION (1)		CONTRACT BUDGET BASE (2)		VARIANCE (3)		a. NAME (Last, First, Middle Initial) Bang, M.V.			b. TITLE Prime Contract Manager					
a. BEST CASE			1,304,598						c. SIGNATURE			d. DATE SIGNED (YYYYMMDD) 2012 / 09 / 30					
b. WORST CASE			1,322,316														
c. MOST LIKELY			1,304,598		1,307,044		2,447										
8. PERFORMANCE DATA																	
WBS[1]		CURRENT PERIOD					CUMULATIVE TO DATE					REPROGRAMMING ADJUSTMENTS			AT COMPLETION		
		BUDGETED COST		ACTUAL COST	VARIANCE		BUDGETED COST		ACTUAL COST	VARIANCE		COST VARIANCE	SCHEDULE VARIANCE	BUDGET	BUDGETED	ESTIMATED	VARIANCE
		WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	WORK SCHEDULED	WORK PERFORMED	WORK PERFORMED	SCHEDULE	COST	(12a)	(12b)	(13)	(14)	(15)	(16)
ITEM (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)							
RL-0011.R1 PFP D&D	(749)	2,286	826	3,035	1,460	287,892	287,892	297,624	0	(9,733)	0	0	0	287,892	297,624	(9,733)	
RL-0013C.R1.1 MLLW Treatment	0	0	268	0	(268)	46,277	46,277	41,369	(0)	4,908	0	0	0	46,277	41,369	4,908	
RL-0013C.R1.2 TRU Waste	0	0	3	0	(3)	254,231	254,231	251,763	(0)	2,468	0	0	0	254,231	251,763	2,468	
RL-0013C.R1.3 TRU Wst Facil Trans MinSafe	0	0	0	0	0	1,500	1,500	1,497	0	3	0	0	0	1,500	1,497	3	
RL-0030.R1.1 GW Capital Asset	0	0	(200)	0	200	175,008	175,008	174,604	0	404	0	0	0	175,008	174,604	404	
RL-0030.R1.2 GW Operations	0	0	9	0	(9)	92,146	92,146	89,516	(0)	2,630	0	0	0	92,146	89,516	2,630	
RL-0040.R1.1 U Plant/Other D&D	0	0	79	0	(79)	199,391	199,391	193,708	(0)	5,683	0	0	0	199,391	193,708	5,683	
RL-0040.R1.2 Outer Zone D&D	0	0	0	0	(0)	84,279	84,279	71,648	0	12,631	0	0	0	84,279	71,648	12,631	
ARRA RL-0040.R1.4 Asbestos Abatement	579	376	432	(203)	(55)	1,845	1,845	1,528	(0)	317	0	0	0	1,845	1,528	317	
RL-0041.R1.1 100 K Area Remediation	270	297	25	27	271	179,749	179,749	181,342	(0)	(1,593)	0	0	0	179,749	181,342	(1,593)	
b. Cost of Money	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
c. Gen. and Admin.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
d. Undist. Budget																	
e. Sub Total	101	2,959	1,443	2,859	1,516	1,322,316	1,322,316	1,304,598	(0)	17,718	0	0	0	1,322,316	1,304,598	17,718	
f. Management Resrv.														0			
g. Total	101	2,959	1,443	2,859	1,516	1,322,316	1,322,316	1,304,598	(0)	17,718	0	0	0	1,322,316			
9. Reconciliation to CBB																	
a. Variance Adjustment										0	0						
b. Total Contract Variance										(0)	17,718			1,322,316	1,304,598	17,718	

FORMAT 3, DD FORM 2734/3, BASELINE

CONTRACT PERFORMANCE REPORT													Form Approved		
September 2012 - ARRA													OMB No. 0704-0188		
FORMAT 3 - BASELINE													DOLLARS IN THOUSANDS		
1. CONTRACTOR CH2M HILL Plateau Remediation Company b. LOCATION: Richland, WA				2. CONTRACT a. NAME: Plateau Remediation Contract b. NUMBER: RL14788 c. TYPE: CPAF d. SHARE RATIO:				3. PROGRAM a. NAME: Plateau Remediation Contract b. PHASE c. EVMS ACCEPTANCE NO YES X 9/18/2009					4. REPORT PERIOD a. FROM: 2012/08/27 b. TO: 2012/09/30		
5. CONTRACT DATA															
a. ORIGINAL NEGOTIATED COST 0				b. NEGOTIATED CONTRACT CHANGE \$1,307,044		c. CURRENT NEGOTIATED COST (A + B) \$1,307,044		d. ESTIMATED COST AUTH UNPRICED WORK \$0		e. CONTRACT BUDGET BASE (C + D) \$1,307,044		f. TOTAL ALLOCATED BUDGET \$1,322,316		g. DIFFERENCE (E - F) (\$15,272)	
h. CONTRACT START DATE 4/9/2009				i. DEFINITIZATION DATE			j. PLANNED COMPL DATE 9/30/2012			k. CONT COMPLETION DATE			l. EST COMPLETION DATE 9/30/2012		
6. PERFORMANCE DATA															
BUDGETED COST FOR WORK SCHEDULED (NON - CUMULATIVE)															
ITEM (1)	BCWS CUM TO DATE (2)	BCWS FOR REPORT PERIOD (3)	SIX MONTH FORECAST						FY09 (10)	FY10 (11)	FY11 (12)	FY12 (13)	OUT YEARS (14)	UNDISTRIB BUDGET (15)	TOTAL BUDGET (16)
			+1 Oct-12 (4)	+2 Nov-12 (5)	+3 Dec-12 (6)	+4 Jan-12 (7)	+5 Feb-13 (8)	+6 Mar-13 (9)							
a. PM BASELINE (BEGIN OF PERIOD)	1,322,215	(1,532)	0	0	0	0	0	0	161,538	565,906	585,572	10,048	0	0	1,323,065
b. BASELINE CHANGES AUTH DURING REPORT PERIOD BCR-011-12-005R0 - PFP ARRA-Base Scope-Funds Alignment												(749)			(749)
c. PM BASELINE (END OF PERIOD)	1,322,316	101	0	0	0	0	0	0	161,538	565,906	585,572	9,300	0	0	1,322,316
7. MANAGEMENT RESERVE															0
8. TOTAL															1,322,316

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

CLASSIFICATION (When Filled In)									
CONTRACT PERFORMANCE REPORT FORMAT 5 - EXPLANATIONS AND PROBLEM ANALYSES								FORM APPROVED OMB No. 0704-0188	
1. CONTRACTOR		2. CONTRACT			3. PROGRAM			4. REPORT PERIOD	
a. NAME CH2M HILL Plateau Remediation Company		a. NAME Plateau Remediation Contract			a. NAME Plateau Remediation Contract			a. FROM (YYYY/MM/DD) 2012/08/27	
b. LOCATION (Address and ZIP Code) Richland, WA 99354		b. NUMBER RL		b. PHASE ARRA		b. TO (YYYY/MM/DD) 2012/09/30			
		c. TYPE CPAF	d. SHARE RATIO		c. EVMS ACCEPTANCE 2009/09/18 NO YES X				
	BCWS	BCWP	ACWP	SV in \$	SV in %	CV in \$	CV %	SPI	CPI
Current:	101	2,959	1,443	2,859	2841.5%	1,516	51.2%	29.41	2.05
Cumulative:	1,322,316	1,322,316	1,304,598	(0.0)	0.0%	17,718	1.3%	1.00	1.01
	BAC	EAC	VAC in \$	VAC in %	CPI to BAC	CPI to EAC			
At Complete:	1,322,316	1,304,598	17,718	1.3%	0.0	0.0			
Explanation of Variance/Description of Problem:									
<p>Current Period Schedule Variance: The Current Month favorable Schedule Variance (+\$2.9M) reflects the following: The RL-0011 positive variance (+\$3.0M) is primarily due to a point adjustment due to implementation of BCR-011-12-005R0, which re-aligned scope to ARRA that was originally planned under a Base WBS element and performed with ARRA funds.</p> <p>Current Period Cost Variance: The Current Month favorable Cost Variance (+\$1.5M) reflects: RL-0011 positive variance (+\$1.5M) is primarily due to implementation of BCR-011-12-005R0 and year-end credits from liquidated labor burden and solid waste pools.</p> <p>Cumulative Schedule Variance: The Cumulative Schedule Variance (-\$0.0M) is within reporting thresholds.</p> <p>Cumulative Cost Variance: The Cumulative Cost Variance (+\$17.7M) is within reporting thresholds.</p>									
Impact:									
<p>Current Period Schedule: None.</p> <p>Current Period Cost: None.</p> <p>CTD Schedule: None, All ARRA-coded work scope has been completed.</p> <p>CTD Cost: None, All ARRA-coded work scope has been completed.</p>									
Corrective Action:									
<p>Current Period Schedule: None.</p> <p>Current Period Cost: None.</p> <p>CTD Schedule: None. PFP project will continue working four fieldwork teams until the completion of the KPP glovebox work scope in May 2014. This will allow in-situ size reduction of gloveboxes to complete as planned. The continuation of the four teams to support KPP completion has been incorporated into the FY2013 PMB Update.</p> <p>CTD Cost: None.</p>									
Monthly Summary: (to include technical causes of VARs, Impacts, and Corrective Action(s):									
<p>All ARRA Subproject cumulative to date cost and schedule variances are within reporting thresholds except for RL-13C.R1.1 MLLW Treatment, and RL-40.R1.2 Outer Zone D&D which have favorable cost variances of 10.6% and 15% respectively. The RL-13C.R1.1 variance is due to a BCR that being processed to transfer scope and associated cost from ARRA to Base to accommodate ARRA closeout. The RL-40.R1.4 variance is the result of a delay in transferring all of the incurred cost for the new ARRA Asbestos Abatement subproject. Overall, the current period schedule and cost variance is primarily attributed to PFP. No Impacts or corrective actions. ARRA work scope is complete.</p>									
<p>Variance in Performance BAC and EAC: The variance at complete (VAC) between the BAC and EAC this month is positive \$1.3 million and 1.4% and is within reporting threshold. For information, the VAC threshold limit is +or- 5% and +or- \$15 million.</p>									

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

Format 1 and 3 Contract Data:			
Contract Price Adjustments			
ARRA ONLY			
CPs - In Process		Total Authorized Unpriced Work	-
Approved Adjustments to Contract Price (not reflected in B.4-1 Table)		Total Negotiated Cost Changes	0
		Grand Total Adjustments	0
Use of Management Reserve: ARRA MR was unchanged (\$0.0) in September 2012.			
<p>Best/Worst/Most Likely Estimate: The Best EAC is the EAC reported this month, which assumes all efficiencies gained contract-to-date will remain at completion with no use of management reserve. The most likely EAC is the EAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will remain at completion but all available management reserve is used (e.g., all identified risks realized). The worst EAC is the BAC reported this month plus the to-go (available) management reserve, which assumes all efficiencies gained contract-to-date will be eroded at completion and all available management reserve is used (e.g., all identified risks realized). The Best/Worst and Most Likely EAC values are documented in the Format 1 Report.</p>			
Prepared by:	Date:	Approved by:	Date:
Project Control Staff	9/30/2012		

(1) = Trench Face Process System; (2) = Trench Face Retrieval & Characterization System; (3) = Remove, Treat and Dispose; (4) = Confirmatory Sampling/No Action; (5) Project Specific Distributables Rewards & Recognition Program; (6) Defense Contract Audit Agency

Appendix B

Project Services and Support (WBS 000)



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

K. A. Dorr
Vice President for
Engineering, Projects
and Construction

September 2012
CHPRC-2012-09, Rev. 0
Contract DE-AC06-08RL14788
Deliverable C.3.1.3.1 - 1

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

K. G. Tebrugge
Director of
Communications

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

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

PROGRAM SUMMARY

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

EMS Objectives and Target Status

Objective #	Objective	Target	Due Date	Status
12-EMS-DWF&RS-OB1-T1	Reduce generation and/or toxicity of waste at the source by using biological spill treatment.	Evaluate products, identify opportunities for use	9/30/2012	Complete
12-EMS-DWF&RS-OB2-T1	Reduce generation and/or toxicity of waste at the source by using biological spill treatment.	Improve spill prevention techniques, procedures, and surveillances.	9/30/2012	Complete
12-EMS-ADMIN-OB1-T1	Maximize the acquisition and use of environmentally preferable products.	Work with P-Card holders in 2420 Stevens Center Place to ensure 90% of all office supplies procured from PSS in 3rd and 4th quarter FY2012 are recycled or biobased products, or have a justified exclusion.	10/5/2012	Work Complete (Final data validation in process)
12-EMS-ADMIN-OB2-T1	Reduce the generation of waste at the source and depletion of environmental resources through post-consumer material recycling.	Implement zero waste practices at one CHPRC company events. Tally weight of food waste; aluminum, plastic, cardboard, and trash to establish first attempt baselines for CHPRC events.	9/15/2012	Complete.
12-EMS-ADMIN-OB3-T1	Reduce depletion of environmental resources through post-consumer material recycling.	Consolidate all excess furniture, equipment, and office supplies from vacated buildings and reintroduce materials into the supply chain.	9/30/2012	Complete
12-EMS-EPC-OB1-T1	Maximize the acquisition and use of environmentally preferable products in the conduct of operations.	A bag of Nature's Broom Absorbent will be stationed at the 2610E Building and when a spill occurs, the Nature's Broom Absorbent will be used to absorb the spill. Following the use, an assessment will be made of the product's viability as an adequate substitute for the Balcones Minerals Corporation Absorb-n-Dry All Purpose Absorbent Clay.	9/30/2012	Complete

Objective #	Objective	Target	Due Date	Status
12-EMS-EPC-OB1-T2	Reduce depletion of environmental resources through post-consumer material recycling.	America's Choice Motor Oil, a Bio-preferred product is 100% re-refined motor oil. The America's Choice Motor Oil will be substituted for Chevron Delo 400 in an EPC piece of equipment or machinery. An assessment will be made of the product's viability as an adequate substitute for Chevron Delo 400 motor oil.	9/30/2012	Complete
12-EMS-PFP-OB1-T1	Reduce the generation and/or toxicity of waste at the source through spill reduction.	Reduce the likelihood of spills.	7/30/2012	Complete
12-EMS-PFP-OB3-T1	Reduce radioactive air emissions potential associated with open air demolition of 236Z.	Decontamination of 236Z.	8/31/2012	Complete
12-EMS-SGWR-OB1-T1	Reduce the release of toxic and/or hazardous material.	Treat 1 billion gallons of groundwater from all sources in FY2012.	9/30/2012	Complete

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	1	2	9/12/2012 – Employee experienced a sprain to their right wrist. (22885)
Near-Misses	0	1	N/A

KEY ACCOMPLISHMENTS

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

- Project Services and Support functional activities continue to provide support and technical services to all CHPRC projects as well as central management of crosscutting services. As of September, the PRC Functional Program organizations continue with no Total Recordable Injuries, have accumulated over 1,720,431 person hours worked without a recordable injury (two years and 3 months), and over

- 2,924,460 person hours worked (over 4 years) without a DART case.
- o Occupational Safety and Industrial Hygiene (OS&IH) accomplishments:
 - Continued support of site-wide standards committees and site-wide steering committees, including participation in the development of a Chemical Inventory Tracking System (CITS) Board Charter and the development of training materials for the new Global Harmonization System (GHS).
 - Continued progress with the corrective action plan (CAP) associated with the CHPRC (and multi-contractor) Beryllium Characterization Project.
 - Continued Support to Plutonium Finishing Plant (PFP) development and implementation of the new Hanford Site Beryllium Work Permit (BWP) and Beryllium Hazard Assessments for facility operations.
 - Continued preparations for the roll out the new Site-wide Respiratory Protection Program, starting in October 2012.
 - Supported the Nuclear Safety Performance Evaluation Board at PFP.
 - Continued efforts on development of the process for safety observation program.
 - Provided support to DOE for the Safety Culture and Best Practices Evaluation.
 - o Fire Protection accomplishments:
 - Deactivation Analysis for PFP Guard Shack Sprinkler System.
 - Resolution of the Containment Tent Issue, Inertial Confinement Fusion.
 - Reviewed Requirements for the 105KW Fire Hazard Analysis (FHA).
 - Completed the update of the Canister Storage Building FHA.
 - Completed the Quarterly Combustible Loading Surveillance for T-Plant.
 - Provided required documentation to EP in regard to the PUREX FHA.
 - Reviewed and approved the 2706T deluge system piping redesign.
 - Supported a RL Vital Safety System walk down of the fire protection systems at T-Plant.
 - Performed the biennial inspection of the fire barriers at T-Plant.
 - o Emergency Preparedness (EP) accomplishments:
 - Eighteen drills were performed in September, 14 were operational drills.
 - Submitted request for RL approval of the B Plant Emergency Planning Hazards Assessment.
 - Received RL approval of the PFP Hazards Survey.
 - Received RL approval of the Closure Project (CP) Surveillance and Maintenance (S&M) Hazards Survey.
 - Conducted Waste Encapsulation and Storage Facility Beyond Design Basis Accident Rapid Water Loss Table Top Drill. Defense Nuclear Facilities Board (DNFSB) staff observed.
 - Received RL Emergency Preparedness Hanford FY12 Field Exercise Evaluation Report conducted at the Cold Vacuum Drying Facility (CVDF). No Findings identified for CHPRC.
 - Received RL preliminary evaluation of Solid Waste Operations Complex (SWOC) drill evaluated for exercise credit. No Finding or Suggestions noted.
 - Completed management assessment of 100K/Decommissioning and Demolition (D&D), Waste Receiving and Packaging, and PFP.
 - Completed Work Site Assessments of PFP and CP S&M.
 - o Radiological Control accomplishments:
 - Completed third quarter Radiological Control Supervisor briefings.
 - Continue to support site-wide Radiological Control committees.
 - Supported site-wide initiative to transition Dosimetry and Radiological Exposure Records Services from the Pacific Northwest National Laboratory to the Mission Support Alliance, LLC.
 - Completed assessment of PFP contamination survey practices.
 - Completed assessment of CHPRC Radiological Work Planning.

- Issued the Radiological Control FY2013 assessment plan.
- o Operations Program accomplishments:
 - Continued support of Site-wide Beryllium Work control Process.
 - Supported development of PRC-MD-SH-40507, *Implementation of DOE-0352 Hanford Site Respiratory Protection Program*.
 - Supported RL comment resolution on Waste and Fuels Management Project Conduct of Operations Applicability Matrix updates as well as supporting development of matrix updates for multiple other projects.
 - Field Work Supervisor Champions team met with focus on pre-job briefing and post-job review continuous improvement.
 - The Conduct of Operations Champions Team is driving conduct of operations training following previous months of developing project targeted topics. Additionally the team is working with the Training and Procedures organization to implement procedure program efficiencies such as consolidating and simplifying the procedure set including improving level 2 sets to cancel level 3 sets to affect consistency in implementation of programs and polices across PRC.
- o Nuclear Safety deliverables prepared and transmitted to RL in September include:
 - Documented Safety Analysis:
 - Letter, CHPRC-1203372A R1, dated September 4, 2012, *Evaluation of the Adequacy Configuration Management Actions*.
 - Letter, CHPRC-1203236, dated September 13, 2012, *CHPRC Transmittal of Evaluation of Safety of the Situation - Potential Failure of Filter Box 25 High Efficiency Particulate Air Filter During Fire Events*,
 - Letter, CHPRC-1203817, dated September 13, 2012, *CHPRC Transmittal of Request to Extend Plutonium Finishing Plant Evaluation Report Conditions of Approval - 29I-Z Exhaust Fan Failure*.
 - Letter, CHPRC-1203564, dated September 20, 2012, *Transmittal of the 2012 Authorization Agreement Annual Update for the B Plant and the Plutonium-Uranium Extraction Facility*.
 - Letter, CHPRC-1203815, dated September 25, 2012, *Transmittal of the Evaluation of Safety of the Situation and Operability Determination for the Waste Encapsulation and Storage Facility Unreviewed Safety Question Regarding Radiation Degradation of the Pool Cell Concrete*.
 - Letter, CHPRC-1203846, dated September 26, 2012, *Transmittal of the Annual Update to the B Plant Documented Safety Analysis, HNF-14804 Revision 5, and the Unreviewed Safety Question Determination Summary*.
 - Nuclear Safety deliverables received from RL in September include:
 - Letter, 12-SED-0086, dated September 13, 2012, *Transmittal of the Annual Update to the CH2M HILL Plateau Remediation Company (CHPRC) Safety Management Program (SMP) Documented Safety Analysis (DSA), Revision 9*.
 - Letter, 12-SED-0090, dated August 15, 2012, *Request for Approval of the Annual Update to HNF-3784, U Plant Authorization Agreement (AA) Revision 4*.
 - Letter, 12-SED-0103, dated September 21, 2012, *Approval of Request to Extend Plutonium Finishing Plant (PFP) Safety Evaluation Report (SER) Conditions of Approval (COA) - 29I-Z Exhaust Fan (EF) Failure*.
- o Contractor Oversight, Assurance & Reporting accomplishments:
 - Two new Condition Reporting and Resolution System (CRRS) reports were put into production in September: Trending Report Detailed and a Trending Report for Export to

- Excel. Both are intended to provide for more efficient and targeted CRRS data mining.
- Issues Management Forum/Trend Working Group met and discussed the following:
- Provided Lead Cause Analysis support to PFP for CR-2012-1994, *Commercial Grade Item Forms Not Closed per Procedure*; CR-2012-2131, *Hazards Survey for 100K D&D did not include a Screening of the HC3 Discharge Chute Remnant*; CR-2012-2237, *Inadequate Flow Down of Safety Requirements into Specifications*; and CR-2012-2494, *Repetitive Issues – Access/Identification of Unprotected/Exposed Electrical Terminals*.
- Performed significance level and Price-Anderson Amendments Act (PAAA) screening for 243 CR submissions (compared with 267 for September 2011).
- Continued FY2012 software upgrades to the Integrated Evaluation Plan (IEP) software. The major structural work is complete, establishing test protocols and updating of software documentation in progress.
- Continued FY2013 annual assessment schedule development working with Projects and Functional organizations. Internal review in progress to ensure “required” assessment activities have been captured in the schedule.
- Completed the CHPRC Radiation Protection Program 10 CFR 835 triennial assessment of Subparts A & B, “General Provisions and Management and Administrative Requirements” (SHS&Q-2012-SURV-10690).
- Completed evaluation of Management Assessments conducted during September and provided feedback, coaching and mentoring to the assessors and responsible managers to help improve the quality of future activities.
- Completed draft Retrospective Asbestos Assessment of CHPRC-Demolished Facilities.
- Completed surveillance of DOE Operating Experience/Lessons Learned Program.
- Completed draft revision to PRC-MP-MS-40337, *Continuous Improvement Plan*.
- Developed sampling plan for Quality Assurance surveillance of asbestos work packages.
- Worked with T-Plant and Sludge Treatment Project team to evaluate the activities at T-Plant scheduled to support removal of North Load-Out Pit grouting equipment, the clean out of three additional canyon cells, and installation of sludge storage racks in the cells.
- Received approved FY2013 first quarter Quarterly Startup Notification Report (QSNR) from RL.
- Supported the joint RL and contractor evaluation of safety culture.
- o Quality Assurance accomplishments:
 - Continue to support comment resolution for the DOE-Headquarters Suspect/Counterfeit Resource Manual.
 - Completed a surveillance of the D4 Demolition Summary List.
 - Established a monthly Office of Civilian Radioactive Waste Management (OCRWM) status meeting with Projects and Programs personnel to develop sound issue resolutions and track to closure.
- Status of SHS&Q Focus Areas:
 - o **Issue:** Beryllium program assessment findings from U. S. Department of Energy, Headquarters, Office of Safety, Health and Security Independent Oversight Inspection report.
Status: Development of Beryllium Corrective Action Plan (CAP) products.
Action: Implementing CHPRC actions and supporting site-wide actions per the approved CAP. Implemented Beryllium work permit in PFP.
 - o **Issue:** Asbestos Employee Concern/Stop Work.
Status: Site wide actions underway. Short and mid-term actions are complete. Steamline asbestos work is underway.
Action: PRC point of contact interfacing with concerned employee to lift stop work.

Environmental Program and Strategic Planning (EP&SP) Environmental Management System

- The EMS FY2013 Objectives and Targets have been set, manager approval in progress.

Environmental Protection

- **Potential Compliance Item Status**
 - **ETF Powder:** A series of discussions with EPA has not resulted in agreement on continued disposal of ETF powder residue at ERDF. ETF processing has been changed to separately treat incoming liquid streams as a result. Other options are being considered such a delisting petition. A letter is to be drafted that will raise the issue to senior RL and EPA staff.
 - **Asbestos:** CHPRC continues to support RL on asbestos management issues. An EPA expert will return to Hanford October 18, 2012 to provide additional training. Potential compliance actions remain over the number of ACM transite chips found near some D&D areas, and that a bag of possible ACM and soil may not have been adequately wet. All waste generated by steam line abatement is taken to off-site disposal. Completed NESHAP training package, to be delivered in late October/early November 2012.
 - **Central Waste Complex Box 231ZDR-11 and WRAP Drum Leak Reports:** Ecology inspection reports were received on September 28 by RL. A briefing was held by Ecology on September 29 to review their findings. The reports raise concerns on spill reporting response, container management, permitting, acceptable knowledge, waste analysis and other items. During the briefing, Ecology also raised concerns on container transportation. Discussions on these issues are to begin mid-October 2012.
 - **EPA NEIC Audit:** No response has been received from EPA on RL provided July submittals. It is expected that EPA will proceed with enforcement on permit conditions accepted by Ecology over the past 12 years.
- **RCRA Draft Permit:** CHPRC met RL deadlines and expectations for RCRA draft permit comments. The comment period closes October 22, 2012.
- **Accomplishments:**
 - Gained approval from WDOH to shut down 2 near field monitoring stations
 - Completed month (and FY2012) with no reportable spill events
 - Completed compliance matrices for 47 active CERCLA documents
 - Avoided RCRA permit appeal for the 400 area contingency plan through negotiation with Ecology.
 - Supported RL in establishing a path-forward for 183H Solar Basin groundwater concern raised by Ecology.
 - Met all enforceable TPA milestones, (total 107 contract-to-date).

Business Services

Acquisition Planning

- Finalized the Defense Waste & Fuels Managed Task Acquisition Planning Document for Option Period.

Facilities

- The FY2012 Physical Inventory of Sensitive Property was completed and reconciled at the end of September. 4,750 items valued at \$7.2M were inventoried. 4,708 or 99.12% of the items were located and 99.48% of the value accounted for. CHPRC exceeded the RL Property Balanced Scorecard target of 99% accountability for the fourth consecutive year.
- CHPRC Human Resources, Industrial Relations, Employee Concerns, and Estimating groups have relocated to the second floor of 2420 Stevens Center Place. Washington River Protection Solutions (WRPS) will commence occupancy of the first floor on October 22, 2012.

Finance

- Successfully completed Fiscal Year 2012 year end closing within funding controls for all projects.
- Coordinated the replacement of Liberty Mutual insurance for automobiles and general liability with a new company (Chartis).

Procurement

- For the month of September 2012, the Procurement group awarded 31 new contracts with a total value of \$17.2M, amended 506 existing contracts with a total value of \$4.4M, for a grand total of \$21.6M. Additionally, awarded 229 new material Purchase Orders valued at \$466K to support ongoing project objectives.
- At the end of the first 48 months of the PRC, procurement volume has been significant; \$1.96B in contract activity has been recorded with approximately 49.54% (goal is 49.3%) or \$957M in awards to small businesses. ARRA funded activity totals \$757M of the grand total volume. This includes 5,902 contract releases, 13,713 purchase orders, and 204,723 P-Card transactions.
- In September, the last of the Procurement Streamlining procedures was issued. The Procurement Management Plan and nine new procedures were published. With the start of the new fiscal year, CHPRC will begin the process of cancelling the four obsolete procedures that were replaced. The new procurement approach is topical based, eliminating the need for Project personnel to be broadly knowledgeable in all aspects of procurement. Personnel only required to focus on limitation of procurement responsibility.

Material Services

- First half P-Card audit measured procedure compliance on nearly 7,000 transactions totaling over \$16M with \$960 in questioned cost, resulting in no unallowable costs.
- Updated the list of P-Card improvements/enhancements, and created a list of correspondence sent to P-Card Holders and Approving Managers; submitted both to Internal Audit to be shared with RL.
- Implemented a site-wide Global Eligibility Report. Worked with WRPS and LMSI to create the report that will capture safety shoes, prescription eyewear, and winter clothing issued to employees across the site. This will help determine employee eligibility for new items as employees are moved among the site contractors.
- Issued a survey to customers. Initial results are very positive. Results were compiled in September and will be reported in the Balanced Scorecard Report.
- Second half P-Card audit, for billing periods October 12, 2011, through March 12, 2012, consisting of 3,742 transactions totaling \$8.5M, resulted in only \$182.09 of unallowable cost.
- During FY2012, 18 Declaration of Excess (DOE) documents were submitted for CHPRC spare parts totaling \$252,048 worth of inventory. Seven convenience storage DOE documents were submitted (convenience storage items have a zero dollar value). Efforts will continue into FY2013 to reduce spare parts and convenience storage items no longer needed to create more available space in 2101M.
- Supported PFP Quality Assurance Engineer and Engineering effort to identify quality level 2 Commercial Grade Dedication spare parts in Asset Suite.

Information Technology & Services

- Completed implementation of a new external CHPRC website on Hanford.gov and successfully transitioned the old external Supply Chain website onto the new location.
- Completed conversion of the WIDS Library (3,534 WIDS Data Packages) from paper to electronic records.
- Completed preparation and transfer of the FFTF Technical Library Collection to PNNL for long-term stewardship.

Prime Contract and Project Integration (PC&PI)

In September, Prime Contracts received and processed six (6) contract modifications (numbers 206, 207, 240, 242, 243, 244) from RL. The Correspondence Review Team reviewed and determined the distribution for 43 incoming letters and the Prime Contracts Manager reviewed 36 outgoing correspondence packages.

The Estimating group provided project support as follows:

- DWF&RS Project:
 - Provided a Rough Order Magnitude estimate addressing the cost associated with CHPRC-01174, "Alternative Evaluation for Disposition of Federal Republic of Germany Glass Logs", a document that was submitted to RL to meet a FY2012 Key Performance Goal. The report defines the pathway for Hanford's German Logs that are presently in storage at the Central Waste Complex. The pathway proposes disposal at the ERDF in the year 2065.
- Sludge Treatment Project:
 - Received amended direction on September 24, 2012, with regard to the previously reported Change Order 186, "Garnet Filter Media Removal Phase I". Estimating worked with project staff to finalize the scope and estimate, and document assembly and review. This proposal will be submitted in October 2012.
 - Provided support to the Annex Construction subproject in evaluating and estimating the cost of changes issued by CHPRC, or submitted by the Subcontractor as a potential claim, completing seven of fifteen estimate packages.
 - Provided support to compete the submittal of the Performance Measurement Baseline/Non Contractual Budget estimates as requested by RL for use in budgetary planning. Four estimates were completed.
- Plutonium Finishing Plant Closure Project:
 - Estimating is developing an estimate for a mechanism that will handle and package lifting strongbacks associated with pencil tanks, out of the 231-Z Facility. Additionally, a review of deactivation planning is ongoing with project staff.
- Soil and Groundwater Remediation Project
 - Continued to support the Project's effort to work with RL and PNNL to define the scope of prospective Change Order #190, 622S *Lysimeter Test Facility*. On September 21, 2012, RL requested CHPRC to refrain from further preparation of the change proposal until RL provides additional direction on the parameters of the change order. Based on this direction, CHPRC halted work on the associated Change Proposal.
 - Provided an estimate in support of a Request for Service (RF) received from WCH, for the installation of four replacement wells at 100-D, and decommissioning of eight wells.
 - Provided support to compete the submittal of the Performance Measurement Baseline / Non Contractual Budget estimates as requested by RL for use in budgetary planning. Eight estimates were completed.
- Facility Services Department:
 - Estimating provided an estimate for use in a RFS associated with the transfer of a Komatsu Model 1200 Excavator from the Hanford site.
- Estimating completed work with the MSA and Babcock Services planned for FY2012 to improve the Timberline/COBRA estimate pricing and report generation process through the use of automated data interfaces, and process improvement.
- Interface Management worked with the MSA, WRPS, and the Contractor Interface Board (CIB) to identify the following DOE J.3, *Hanford Site Services and Interface Requirements Matrix*, services as candidates to change some services from 'Mandatory' to 'Optional' services:

- o #20, Fire & Emergency Response Services (Fire Protection System Inspection, Testing, and Maintenance)
- o #32a, Radiological Site Services (RSS), Instrument Calibration
- o #33, Analytical Services (Chemical and Low-Level Radiological Analysis)
- o #36, Facility Services
- o #37, Motor Carrier Services
- o #94, Sample Analysis (Highly Radioactive)
- CHPRC is working with the MSA and WRPS to prioritize the development of business cases for changing the above services to optional within the current schedule for other Business Cases that have been endorsed by the (CIB).
- Changes made to Section J, Attachment J.3, Interface Number 35, Crane and Rigging, during FY2011 removed “scaffolding erection” from the description of the service. Since that time, CHPRC has been obtaining “scaffolding erection” from the MSA as an optional service. Scaffolding is essential to CHPRC achieving their mission and integral to the daily execution of their projects. CHPRC believes that self-performing this function could eliminate the personnel management complexities associated with the current method of performance of utilizing MSA Ironworker Riggers working under CHPRC supervision and initiated steps to self-perform this function beginning in FY2013. This transition was put on hold when the PRC DOE Contracting Officer directed CHPRC to work with other contractors potentially affected by this transition to develop and submit to DOE a cost benefit analysis for the change prior to CHPRC taking any hiring or workforce restructuring actions related to making changes with respect to the performing contractor of scaffolding erection. Based on this direction, CHPRC initiated preparation of the requested analysis in conjunction with the MSA and WRPS.
- Interface Management worked with WRPS Interface Management to finalize an update to the Memorandum of Agreement (MOA) for the Performance and Payment of Services between WRPS and CHPRC.
- Interface Management worked with the MSA and WRPS to incorporate RL comments to the annual update to the Hanford Site Interface Management Plan. The revised document was formally submitted to RL by the MSA on September 27, 2012.
- Received approval of the CHPRC FY2013 Performance Measurement Baseline.
- Supporting efforts associated with the FY2015 – 2019 Budget Formulation process.

Engineering, Projects and Construction (EPC)

- Central Engineering (CE) compiled Final design review information for the Engineered Container Retrieval and Transport System (ECRTS) and published PRC-STP-00701 Rev 0, *ECRTS Final Design Review Report*. In support of meeting a Performance Initiative, the report was released on September 27. CE finalized the STP ECRTS process systems final design review, signing off RCR dispositions after verifying RCR comments were incorporated in the design.
- CE’s Steve Crow was elected as the chairman of the Hanford Site Electrical Safety Program board.
- CE completed a revision to CHPRC-01858 *Structural Evaluation of WESF Concrete Degradation Due To Radiation*, to support DWF&RS in response to an issue raised by RL.
- CE has been consulted in the repair of the ETF evaporator heat exchanger vessel. The vessel has developed leaks in the outer shell and will require repair. The vessel is an ASME Boiler and Pressure Vessel Code Section VIII stamped vessel and will require an organization with an “R” stamp Certificate of Authorization from the National Board of Boiler and Pressure Vessel Inspectors to perform the repair. A plan is being developed to use Fluor Enterprises’ “R” stamp program to perform the repair by using CHPRC procedures, where possible, CHPRC personnel, and Fluor employees who are embedded in the CHPRC organization placed in key positions in Fluor’s program.

- CE prepared a modification to the 200W P&T to add pipe break flood detection and prevention design to the Utility Water System. CE turned over the work completed to 200W P&T engineers on October 2, 2012. The FMP is a follow-up action item due to the pipe break flood that occurred in August over a weekend when the 200W P&T Utility Water System was unmanned.
- CE met with the Sludge Treatment Project (STP) ECRTS team, AREVA, and Meier Engineers to go over comments on 44577-S-CALC-004, Steel Framing, and the associated drawings that will be part of DCN-STP-ECRTS-038. The majority of the comments were resolved during the meeting, meeting minutes and action items were generated AREVA committed to providing revised calculations and drawings to CHPRC by October 10, 2012.
- CE is providing technical support in the review and checking of the engineering calculation and design drawings for the General Purpose Burial Box Over-pack for housing the 231-ZD-R11 Concrete Waste Container.
- CE participated in the HSS Focus Group Training Workshop Meeting. The meeting, held at HAMMER, featured a presentation by Julie Goeckner (DOE-HQ) that described the evolution of the newly created Safety Conscious Work Environment Training Program. The first delivery of the program at Hanford was completed the week of September 24. Other initiatives being championed by the Working Group include expansion of the Rad Worker Reciprocity Program, Piloting reciprocity of Hazwoper programs, and efforts to standardize General employee training. Leaders from several national unions provided a status of activities within their work groups.
- CE will be providing the Ventilation Design Authority (DA) for FY2013. Turnover activities with the exiting DA on Sludge treatment ECRTS Annex Ventilation system have been completed.
- CE is supporting the Soil & Groundwater, 200 W Pump & Treat by providing evaluation and design for the Air Gap FMP to add a Flow Meter, Valve, and components supports.
- CE provided direction for 200W P&T to procure and install non-NRTL Profibus modules for a compressor skid. The modules are required to be powered from a class 2 power supply or fused prior to installation in a separate enclosure from the compressor's UL 508A enclosure.
- CE assisted ETF with AHJ approval of non-NRTL certified misting fan units. ETF personnel have fixed discrepancies and the AHJ evaluation was completed satisfactorily. CE originated AHJ approval package CHPRC-2012-18 and is in the process of final signature approval.
- CE performed a final review of CHPRC-01849 *Grouting Plan for Waste Encapsulation and Storage Facility Hot Cells*.

Communications

Internal

- Produced two episodes of InSite, the biweekly news broadcast, including cover of ethics and workforce restructuring resources available to employees.
- Published four issues of the Weekly Update, accompanied by messages from Terry Vaughn, Safety, Health, Security & Quality; Stan Bensussen, Chief Legal Counsel and Ethics Compliance Officer; Kathy Robinson, Human Resources Director; and John Lehew, former CHPRC President.
- Hosted celebrations to recognize the last shipment of the knockout pot sludge.
- Supported development and launch of an Ethics intranet site to provide resources in ethical decision-making.

Media

- Leadership in Energy Efficient Design (LEED®) construction at the 200 West Pump and Treat System was featured on the DOE Headquarters blog.
- Support RL with media for the removal of knockout pot sludge
- Removal of the Knock-Out Pot sludge and workforce restructuring were featured in the Tri-City

Herald.

- The 200 West Pump and Treat System was featured in the Daily Journal of Commerce.

Public Involvement

- Provided CHPRC FY2012 accomplishments to support the development of the DOE-RL's Agency Update presentation given to the Hanford Advisory Board September 6 and 7.
- Provided input to RL for the public involvement process for the TPA change packages for CHPRC-related scope.
- Provided public involvement input for the editing of the 100-F/IU Area Proposed Plan.

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 (%)	Budget at Completion (BAC)
Indirect WBS 000 Total	8.3	8.3	7.0	0.0	0.0%	1.3	15.3%	110.9
Communications	0.1	0.1	0.1	0.0	0.0%	0.0	37.5%	1.2
Safety, Health, Security and Quality	0.9	0.9	0.7	0.0	0.0%	0.2	18.0%	12.1
Environmental Program and Strategic Planning	0.3	0.3	0.7	0.0	0.0%	0.1	24.8%	3.6
Business Services	6.0	6.0	5.4	0.0	0.0%	0.6	9.2%	80.7
Prime Contract and Project Integration	0.7	0.7	0.3	0.0	0.0%	0.4	56.9%	9.8
Engineering, Projects and Construction	0.3	0.3	0.2	0.0	0.0%	0.1	13.1%	3.6

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

CM Cost Performance: (+\$1.3M/15.3%)

The primary contributor to the Current Month positive variance is Business Services due to a partial Pension payment pending receipt of full funding from RL.

Contract-to-Date (\$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)
Indirect WBS 000 Total	461.3	461.3	431.2	0.0	0.0%	30.1	6.5%	1030.2
Communications	8.2	8.2	7.5	0.0	0.0%	0.7	9.1%	14.8
Safety, Health, Security and Quality	66.4	66.4	71.0	0.0	0.0%	(4.7)	-7.0%	120.7
Environmental Program and Strategic Planning	13.9	13.9	13.6	0.0	0.0%	0.2	1.6%	30.3
Business Services	312.2	312.2	284.6	0.0	0.0%	27.6	8.8%	738.6
Prime Contract and Project Integration	38.2	38.2	32.1	0.0	0.0%	6.1	16.1%	83.9
Engineering, Projects and Construction	22.5	22.5	22.4	0.0	0.0%	0.1	0.3%	41.9

Numbers are rounded to the nearest \$0.1M.

Indirect WBS 000

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

CTD Cost Performance: (+\$30.1M/+6.5%)

In FY2009 through FY2011, the positive variance for PRC G&A and D&D activities (+22.4M) was distributed by weighted percentage to the Base and ARRA PBSs. Beginning in FY2012, Project Services and Support (PS&S) cost is being distributed via rates applied to total direct cost. The FY2012 G&A/DD Activities variance (+\$7.7M) is due to a partial Pension payment pending receipt of full funding from RL.

Baseline Change Requests

BCRA-PRC-12-017R0 – *FY2012 to FY2013 Administrative Fiscal Year Splits*

BCRA-PRC-12-019R0 – *FY2012 B.4 Table/Fee Alignment and MR Adjustment*

FY2012 G&A and DD Analysis (\$M)

FY2012			
WBS 000	FY2012	FY2012	FY2012
Project Services and Support	BCWS	Actual	Variance (O)/U
Total	110.9	103.2	7.7
General & Administrative (G&A)	70.1	64.6	5.5
Communications	1.2	1.0	0.2
Safety, Health, Security and Quality	12.1	12.2	(0.1)
Prime Contract and Project Integration	9.8	7.0	2.7
Business Services	43.5	40.5	3.0
Engineering, Projects & Construction	3.6	3.9	(0.3)
Direct Distributables (DD)	40.8	38.6	2.2
Env. Program & Strategic Planning	3.6	3.8	(0.3)
Business Services: Retiree Insurance	6.4	3.7	2.6
Business Services: Pension Plan Contr.	30.8	31.0	(0.2)

FY2012	
Total Distribution	(103.2)
Total Liquidation (Over)/Under	0.0
G&A Distribution	(64.6)
G&A Liquidation (Over)/Under	0.0
DD Distribution	(38.6)
DD Liquidation (Over)/Under	0.0

Liquidation Analysis

For FY2012, application of the G&A and DD rates under liquidated the Project Services & Support accounts by a total of \$3M. The variances were distributed at fiscal yearend to fully liquidate all G&A and DD costs.

MAJOR ISSUES

None identified.

MILESTONE STATUS

None identified.

SELF-PERFORMED WORK

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

GOVERNMENT FURNISHED SERVICES AND INFORMATION (GFS/I)

None identified.